# FORM FUTURA®

## 3D PRINTING MATERIALS

# PRODUCT PORTFOLIO 2025

OUR PRODUCTS ARE MANUFACTURED IN EUROPE

# PRODUCT OVERVIEW

# FORM FUTURA®

## 3D PRINTING MATERIALS

### FOUNDED IN THE NETHERLANDS IN 2012

- from a passion for 3D Printing;
- as the first filament brand in the world;
- with locally manufactured products.

### FOCUS ON SUSTAINABILITY

- through innovative solutions to minimize packaging and waste;
- by being the front-runner in fully recyclable packaging and;
- by pursuing a fully circular economy;
  - by providing a filament recycling program and;
  - supporting green initiatives.
- by developing home / soil compostable filaments.

### IDEAL PARTNER FOR INDUSTRY

- by offering a wide variety of different materials;
- short lead times for just-in-time supply chain solutions;
- expertise in processing large bulk orders;
- consistent quality & ISO certified production and;
- integrated supply chain partner with extensive material and printing knowledge.

### OEM, PRIVATE- AND WHITE LABEL SOLUTIONS

- by having access to a wide portfolio of FormFutura-quality materials in your own brand;
- offering customizable materials & colours;
- customizable spool sizes & packaging and;
- competitive shipping rates.
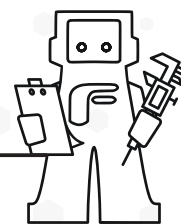
## 3D PRINTING SERVICE

- Prototyping and Production
- CAD Advice
- Modelling Services
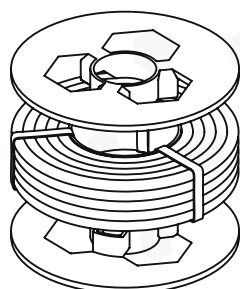
## PRODUCT DEVELOPMENT & INNOVATION

- specialized in development of industry leading materials;
  - with the focus on optimizing materials for high speed printing;
- top-notch production facilities and;
- high quality production.

## IDEAL PARTNER FOR RETAIL AND DISTRIBUTION

- as the leading filament brand with an extensive product portfolio;
- by offering optimized supply chain solutions;
  - with same day shipping to anywhere in the world,
  - no minimum order quantities and,
  - great margins and favourable purchasing conditions.
- by providing personalized marketing support;
  - with media packs and promotional materials and;
  - trade show sponsorship.

## IDEAL PARTNER FOR EDUCATION

- by supporting fablabs, universities and other educational institutions;
- offering internships for students;
- participating in research projects and;
- offering expertise in material choices.

## END-USER SUPPORT

- by providing a wide variety of blogs and tutorials;
- product warranty;
- knowledgeable customer support and;
- a download portal with product data and print settings.

# FormFutura's Sustainable Products

## Recycling Program

As 3D printing grows in popularity, so does the amount of waste it generates. To address the often wasteful nature of production, we're excited to introduce the FormFutura Recycling Program.

You can send us your leftover materials and failed prints made from PLA or PETG filament, and we'll transform them into brand new, high-quality filament. This way, your waste gets a second life.

Joining the Recycling Program is easy! Just collect your printing waste and leftover materials, sorting them into separate boxes for PLA and PETG. Then send them to us to qualify for great rewards!

## Cardboard Spools & Packaging

As 3D printing reshapes the manufacturing industry, demand for materials is rapidly increasing across diverse markets. To prioritize sustainability in this growth, we made a significant change back in 2018, transitioning to cardboard spools for our filaments.

This shift means that all FormFutura filaments up to 1 kg, along with many heavier variants, are now wound onto fully recyclable, sturdy spools made from unbleached recycled cardboard. We took this commitment further by also using eco-friendly boxes for spool packaging.

Today, we're thrilled to see many other filament brands adopting this approach, helping to establish a more sustainable packaging standard across the industry. And we're just getting started! Explore the next page to discover more of our initiatives toward a greener future in 3D printing.

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## ReForm Filaments

While sustainable packaging and design are vital, what about the filament itself? In 2021, we asked this question and answered it with the FormFutura ReForm filament range one of the most sustainable choices on the market.

With environmental responsibility at its heart, the ReForm filament range is crafted entirely from renewable materials, using no virgin fossil or natural resources. Instead, it repurposes waste from material manufacturing processes, giving new life to these byproducts.

We offer ReForm variants in PLA, PET(G), ABS, and ASA, spreading a sustainable impact across our product range and reinforcing our commitment to an eco-friendly brand identity.

## ReFill System

At FormFutura, we believe the path forward is to continually seek new, innovative ways to make 3D printing more sustainable. Our latest development, the FormFutura ReFill System, is a big step toward establishing a greener industry standard.

The ReFill System offers an efficient, eco-friendly solution by replacing single-use spools with filament on cardboard ReFill coils and easy-to-use reusable flanges. This approach significantly reduces the spool waste that impacts the entire industry daily.

To demonstrate our commitment, we're already offering numerous products in the ReFill format and will soon introduce ReFill alternatives for many of your FormFutura favorites.

# FormFutura's 3D Printing Service

**Looking for a Reliable 3D Printing Partner? Choose FormFutura!**

Whether you need prototypes, small-batch production, or intricate designs, FormFutura delivers complete 3D printing solutions to meet your needs. With years of experience and a high-tech print farm, we handle projects of any size and complexity with expertise and precision. Our team works closely with you from design through delivery, ensuring quality, speed, and tailored solutions. With a broad selection of printers, materials, and design expertise, we offer the best-fit solutions for any project.

**Why Choose FormFutura?**

We're more than a service provider; we're a complete partner in 3D printing. Our team brings flexibility, speed, and precision, backed by scalable production capacity and constant material availability. Our commitment to the latest technologies ensures optimal print results, even for complex challenges.

**Ready to Elevate Your 3D Printing?**

Contact us today to see how FormFutura can turn your vision into reality with expertise and advanced 3D printing capabilities!

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# COMING SOON

At FormFutura, our focus has always been on expanding our product portfolio to meet the evolving needs of our partners and the industry. Over the years, this commitment has driven our growth and allowed us to offer a diverse, high-quality range of products. Looking forward, we are committed to further investing in the development of industry-leading materials to set new standards in 3D printing. Below are some of the exciting products currently in development:

| | | |
|---|---|---|
| ApolloX - Light Weight (ASA) | Flexible PLA | Python Flex TPU 70A |
| ApolloX - Flame Retardant V0 | Icarus - Foaming PLA | Python Flex TPU 85A |
| TitanX - Flame Retardant V0 | TitanX - Flame Retardant V0 | Python Flex TPU - Matt Colors |
| ABS Flame Retardant V0 | ABS Flame Retardant V0 | Python Flex TPU - CF15/GF20 |
| ApolloX - Light Weight (ASA) | PLA - CF20 | PETG CF10/GF20 |
| ApolloX - Flame Retardant V0 | PETG - CF20 | |

# HIGH SPEED 3D PRINTING

With high-speed 3D printing on the rise thanks to new, advanced printers, FormFutura is thrilled to introduce a material lineup specifically optimized for high-speed printing.

Our high-speed materials are engineered to perform exceptionally well on both traditional and high-speed 3D printers, enabling rapid melting and efficient cooling. This results in smooth, highly detailed parts and reliable print quality at speeds exceeding 300mm/s*. Compatible with popular machines like Bambu Lab X1E, X1C, P1 Series, A1 Series, AnkerMake M5, Creality K1, and DIY builds, our materials meet the demands of the latest speed-focused technology.

FormFutura remains a leader in 3D printing trends, with demand for high-speed compatible filaments and coils at an all-time high. The time has come to fully introduce our high-speed material range, designed to elevate your high-speed printing experience.

**HIGH SPEED**

*So be on the lookout for our high speed compatibility icon in this product portfolio for fast-growing fast-printing range of materials.*

# FILAMENTS

# EasyFil ePLA

**HIGH SPEED**

**ALLROUND**

EasyFil ePLA is our most affordable PLA, popular for its ease of printing, high accuracy, and excellent surface quality. Despite its low cost, EasyFil ePLA offers above-average mechanical properties, making it a reliable choice for quality 3D prints.

**Key Features:**
- Enhanced Printability
- Vibrant Colors
- Low Shrinkage
- Affordable

*By: Fredrik Andersson*
*Instagram: @soarpix3d*

# EasyFil PLA

**HIGH SPEED**

**ALLROUND**

EasyFil PLA is specially optimized for FFF/FDM 3D printing, making it an exceptionally user-friendly filament. It's tougher and more flexible than standard PLA, with enhanced flow characteristics and excellent interlayer adhesion, resulting in smooth, high-quality prints every time. Perfect for reliable and easy 3D printing at an affordable price.

**Key Features:**
- 25 Available Colours
- Minimal Warping
- High Accuracy

# Premium PLA

**HIGH SPEED**

**ALLROUND**

Premium PLA is a top-grade, general-purpose 3D printing filament with minimal modification, ensuring exceptional purity. Slightly harder than standard PLA, it offers excellent thermal stability and a faster crystallization process, making it ideal for rapid printing and large-scale prototyping on industrial printers.

**Key Features:**
- 10 Available Colours
- A wide variety of vivid opaque colours
- Great interlayer adhesion
- Improved strength
- High Speed Printing Compatible

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**HIGH SPEED**

# Premium PLA CF03

Premium PLA CF03 is a high-quality PLA filament blended with 3% carbon fibers, crafted for exceptional aesthetics of the 3D printed parts. This unique formula delivers a flawless carbon surface finish, free from visible layers, perfect for projects where appearance is key. Designed for ease of use, it prints smoothly and works with brass nozzles, offering a sleek carbon look and feel without compromising on usability.

**AESTHETIC**

**Key Features:**
- PLA with amazing carbon look and aesthetics
- 3D prints without visible layers
- High speed printing compatible

# EasyFil PLA - Glow In The Dark

EasyFil PLA - Glow in the Dark retains all the excellent properties of EasyFil PLA while introducing a captivating glow-in-the-dark effect. This high-end, impact-modified PLA (Poly-Lactic Acid) filament is optimized for FFF/FDM 3D printing, ensuring a user-friendly experience. It is tougher and less rigid than standard PLA, featuring improved flow and interlayer adhesion for exceptionally smooth printing. Perfect for adding a unique aesthetic to your projects!

**AESTHETIC**

**Key Features:**
- Glows In The Dark
- Great interlayer adhesion
- Improved strength & impact resistance

# Galaxy PLA

Galaxy PLA is a deep metallic-colored filament based on EasyFil PLA. Infused with silver aluminum flakes, it provides a stunning, sparkling finish with subtle color shadings and no visible layers. Despite its high aluminum content, Galaxy PLA is non-abrasive to nozzles, ensuring a smooth printing experience and adding elegance to your projects.

**AESTHETIC**

**Key Features:**
- 12 Available Colours
- Real aluminium flakes
- Non-Abrasive
- Extremely glittering & shimmering surface finish
- Wide variety of muted & brilliant colours
- Hides layering

# Matt PLA

Matt PLA is a 3D-printer filament that contains a recycled content of more than 50%. This has resulted in a filament with uniquely muted color variants. Other than great aesthetics, Matt PLA has excellent 3D printing properties. It combines a distinguished surface quality of fine details with a matt appearance.

**Key Features:**

- 11 Available Colours
- Matte surface finish
- Wide variety of muted colours ble Colours

- Abrasive Material

# High Gloss PLA

The surface finish of parts printed results in high levels of light dispersion and reflection, resulting in an extremely high gloss. High Gloss PLA filament comes in various deep brilliant colors and allows you to 3D print parts with almost no visible layers. High Gloss PLA is a modified 3D printing filament that is based on PLA (polylactic acid). It has been enhanced with several other polymers and modifiers.

**Key Features:**

- 9 Available Colours
- Extremely High Gloss
- Highly Reflective

- Smooth surface finish
- 3D prints with almost no visible layers

*By: Christiaan Lefering*
*Instagram: @es_chrizz*

# High Gloss PLA - ColorMorph

FormFutura High Gloss PLA - ColorMorph combines the best of two High Gloss PLA colors in one filament. This high-end filament combines all benefits of High Gloss PLA with innovative multicolor aesthetics. The beautiful color morphing properties of this filament will create multicolored effects from all angles. Experience a stunning color shift with every change in light source or viewing angle.

**Key Features:**

- 8 Available Colours
- Extremely High Gloss
- Highly Reflective

- 2 Colours In 1
- Smooth surface finish
- 3D prints with almost no visible layers

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# StoneFil

**AESTHETIC**

StoneFil is a unique 3D printing filament made from 50% powdered stone, resulting in exceptional aesthetic qualities. This easy-to-print material yields objects with a matte, stone-like finish. Its higher density, compared to regular PLA, comes from the stone powder content. Based on our modified EasyFil PLA compound, StoneFil ensures a smooth printing experience while delivering stunning visual results—ideal for adding a natural touch to your projects!

### Key Features:
- 11 Available Colours
- 50% filled with real stone powder
- Real stone touch & feel
- Matte surface finish

# MetalFil

**AESTHETIC**

MetalFil contains approximately 80% bronze or copper powder. This high metal content makes objects printed with MetalFil nearly indistinguishable from authentic bronze or copper castings. Additionally, MetalFil can be post-processed through polishing or treated with various patina and rust effects for added versatility.

### Key Features:
- 3 Available Colours
- High metal powder filling,
- ~300% heavier than Standard PLA's
- Rustable Surface
- Real metal touch and feel
- PLA composite material

*By: Scan The World*
*Instagram: @scantheworld*

# BioFil - Wood

**AESTHETIC**

BioFil - Wood is a home compostable filament enriched with a significant amount of wood, providing an authentic wooden feel, look, and scent. Unlike traditional PLA-based filaments, BioFil - Wood is designed to be home compostable, resulting in a much lower environmental impact. Composed entirely of natural and renewable resources, BioFil - Wood is our most sustainable wood filament to date.

### Key Features:
- 5 Available Colours
- Fully home compostable.
- Real wood feel, look, and smell.
- Made from food contact approved materials.
- Excellent for machinability & post-processing.

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By: Missus Boot
Instagram: @bigstompyboot

# EasyWood

EasyWood replicates the appearance, texture, and scent of real wood. You can achieve a stunning wood-like grain structure by sanding the printed object with fine-grit sandpaper or by adjusting the print temperature during the printing process. This PLA-based filament contains 40% ground wood particles, which also helps to ensure warp-free printing.

## Key Features:

- 7 Available Colours
- Filled with 40% real wood particles
- Smells & Feels like real wood
- Authentic rough wood surface finish

**AESTHETIC**



By: HEAD(AMAME)
Instagram: @headamame

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*Material: BioFil - Wood*

# Tough PLA

Tough PLA is a 3D printer filament with 750% greater impact resistance than standard PLA. It offers exceptional layer adhesion, enabling 3D printed objects to achieve mechanical strength similar to injection-molded parts. This performance PLA combines impressive durability with ABS-like strength, although it is noticeably stiffer than regular ABS filament, making it suitable for demanding applications.

**Key Features:**

- 6 Available Colours
- Impact strength of 29.8 kJ/m2
- Stiff, Strong & Durable
- Machinability properties
- Superb inter-layer adhesion

**PERFORMANCE**

# Volcano PLA

**HIGH SPEED**

After annealing, Volcano PLA exhibits heat resistance up to 95°C. This industrial-grade PLA filament is specifically engineered for high printing speeds. It shares mechanical properties similar to ABS while offering the added benefits of being biodegradable and easy to print. With high impact resistance and low shrinkage, Volcano PLA is the ideal choice for industrial applications.

**Key Features:**

- 8 Available Colours
- Excellent interlayer adhesion
- Matte surface finish
- Heat resistance of ~95°C after annealing
- Less than 0.3% shrinkage after annealing
- High Speed Printing Compatible

*By: Christiaan Lefering*
*Instagram: @es_chrizz*

**PERFORMANCE**

# High Precision PLA

High Precision PLA is a denser, more resilient filament designed for consistent batch-to-batch production. It guarantees precision in diameter, ovality, shrinkage, and color tolerances. The filament's diameter and ovalness are continuously measured using a 3-axis laser system during the production process, ensuring no blind spots and superior accuracy. Additionally, High Precision PLA is RAL color-matched. Each spool includes an individual measurement report, accessible by scanning the QR code on the spool.

**Key Features:**

- 12 Available Colours
- 3-axes filament measurement
- Color consistency (≤ Delta E5)
- Tolerance of ±0,03mm for 1.75mm filament
- Tolerance of ±0,06mm for 2.85mm filament
- Denser than traditional PLA filaments

**PERFORMANCE**

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# EasyFil ePETG

**ALLROUND**

EasyFil ePETG is our preferred PETG filament, known for its affordability and ease of use. It features minimal warping, making it ideal for printing large objects without issues. Working with this material is nearly as straightforward as 3D printing with PLA, ensuring a smooth and hassle-free printing experience.

## Key Features:

- 54 Available Colours
- Good impact resistance
- Good chemical resistance
- Excellent inter-layer adhesion

# EasyFil PET

**ALLROUND**

EasyFil PET is as user-friendly as regular PLA, featuring minimal warping, making it perfect for 3D printing large, detailed objects. This pure, amorphous PET filament is denser and harder than traditional PETG, with a higher melting point and lower moisture absorption. These unique properties result in accurate prints with enhanced strength and improved mechanical characteristics.

## Key Features:

- 12 Available Colours
- Good UV resistance
- Good chemical resistance
- More dense and rigid than PETG filaments
- Stronger and more accurate

# HDglass [PETG]

**ALLROUND**

The "HD" in HDGlass stands for "Heavy Duty," reflecting its exceptional strength, toughness, and temperature resistance. This high-performance filament boasts a high-gloss, ultra-transparent finish. HDGlass is an amorphous filament made from a unique PETG blend, specifically engineered for optimal flow during 3D printing, ensuring excellent thermal stability throughout the process.

## Key Features:

- 25 Available Colours
- Wide Variety of solid colours
- Wide Variety of translucent colours
- Food contact compliant (Natural)
- Odorless printing and processing

# CarbonFil CF03 [PETG]

**HIGH SPEED**

CarbonFil CF03 is a user-friendly filament that offers excellent precision and superb layer adhesion. While it primarily emphasizes carbon aesthetics, it also boasts impressive chemical resistance and machinability properties, making it an ideal choice for diverse applications.

**Key Features:**

- PETG with amazing carbon look and aesthetics
- Good chemical resistance
- Good machinability properties
- High speed printing compatible
- 3D prints without visible layers

**ALLROUND**

# CarbonFil CF10 [PETG]

CarbonFil CF10 is crafted from our unique HDGlass PETG compound and reinforced with 10% ultra-light, long stringer carbon fibers. This formulation results in an exceptionally stiff carbon-fiber reinforced filament that is twice as stiff as HDGlass. Additionally, CarbonFil CF10 offers 10% more impact resistance, making it an outstanding choice for applications requiring enhanced durability and strength.

**Key Features:**

- 3 Available Colours
- Heat deflection temperature of ±85°C
- Great for mechanical parts
- High Impact resistance & extremely stiff
- Nice semi forged carbon surface finish
- Reinforced with 10% relatively long carbon fibres

**PERFORMANCE**

# High Precision PET

High Precision PET is engineered for consistent batch-to-batch production, guaranteeing precise diameter, ovality, shrinkage, and color tolerances. The filament's dimensions are monitored through continuous 3-axis laser measurements, ensuring accuracy without blind spots. Additionally, High Precision PET is RAL color-matched. Each spool includes an individual measurement report, accessible by scanning the QR code on the spool.

**Key Features:**

- 12 Available Colours
- 3-axes filament measurement
- Color consistency (≤ Delta E5)
- Tolerance of ±0,03mm for 1.75mm filament
- Tolerance of ±0,06mm for 2.85mm filament
- Good inherent UV resistance

**PERFORMANCE**

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**HIGH** SPEED

# ABSpro [PC-ABS]

**PERFORMANCE**

ABSpro is a remarkably strong, glossy filament that offers excellent impact resistance. It enables high precision and fine detail in your prints, making it an ideal choice for producing mechanical parts. Its durability and versatility ensure reliable performance in a variety of applications.

## Key Features:
- 2 Available Colours
- Good chemical resistance
- Glossy surface finish
- Extremely strong and impact resistant
- Polycarbonate infused

**HIGH** SPEED
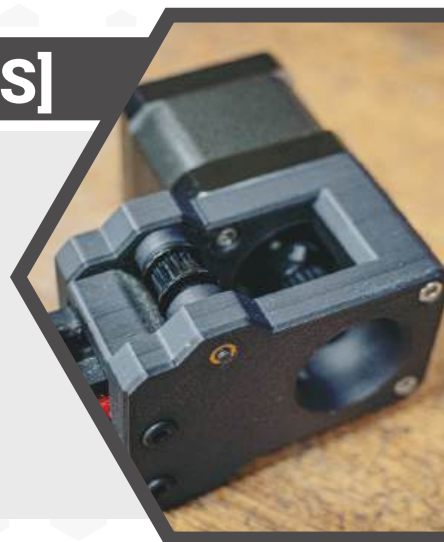
# ABSpro Flame Retardant [PC-ABS]

**PERFORMANCE**

ABSpro Flame Retardant [PC-ABS] is a professional-grade, halogen-free filament designed to be self-extinguishing. It is engineered to meet UL 94 V-0 flammability standards, ensuring that any vertical burning of the filament or 3D printed object stops within 10 seconds. This makes it a safe choice for applications requiring enhanced fire resistance.

## Key Features:
- Halogen free
- Superb interlayer adhesion
- PolyCarbonate infused
- Self-extinguishing flammability properties
- Engineered to meet UL 94 V-0 standards

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Material: EasyFil PLA

# EasyFil ABS

EasyFil ABS is a high-quality, user-friendly ABS (Acrylonitrile Butadiene Styrene) filament optimized for FFF/FDM 3D printing. This filament offers excellent impact resistance and printing stability, making it ideal for a variety of applications. EasyFil ABS requires slightly higher printing temperatures compared to standard ABS.

**Key Features:**

- 14 Available Colours
- Wide variety of vivid opaque colours
- Easy to post-process
- Higher impact resistance than average ABS.
- Viscat softening temperature of ~103°C.
- Very strong and durable.

**ALLROUND**
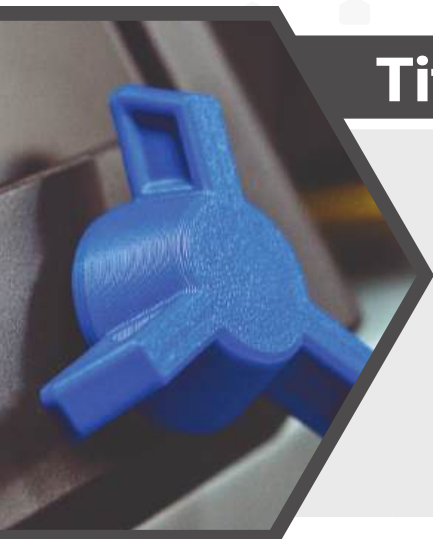
# TitanX [ABS]

TitanX is a high-quality engineering filament widely used across industries for producing functional prototypes and end-use parts. Primarily composed of ABS (Acrylonitrile Butadiene Styrene), TitanX's formulation is enhanced with additional polymers, binding agents, and impact modifiers. This results in a filament that boasts exceptional mechanical properties, optimized interlayer adhesion, and virtually no warping, making it an ideal choice for demanding applications.

**Key Features:**

- 7 Available Colours
- Strongly improved mechanical properties
- 65% more impact resistant than regular ABS
- Minimal warping, excellent interlayer adhesion
- Vicat softening temperature of 97°C
- Nearly odorless processing and no unpleasant styrene smell

**PERFORMANCE**

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**HIGH SPEED**

# ApolloX [ASA]

**PERFORMANCE**

ApolloX is a UV- and weather-resistant industrial-grade ASA filament, ideal for outdoor and automotive applications. It combines high heat resistance with exceptional impact strength. Enhanced with five additional polymers and modifiers, ApolloX offers precision comparable to injection molding, ensuring perfect first- and interlayer adhesion while printing without warping. For larger prints, using a heated chamber is recommended to achieve optimal results.

## Key Features:
- 7 Available Colours
- UV & Weather Resistant
- Greatly improved mechanical properties
- Perfect interlayer adhesion
- Heat resistant up to ~85°C
- High Speed Printing Compatible

**HIGH SPEED**

# ApolloX CF10 [ASA]

**PERFORMANCE**

ApolloX CF10 combines the advantages of ApolloX filament with 10% carbon fibers, creating a high-performance carbon fiber reinforced ASA filament. The inclusion of high modulus carbon fibers makes it lightweight and stiff, while remaining easy to 3D print on open desktop machines—no enclosure or heated chamber required. Its low shrinkage factor and excellent layer adhesion make printing with ApolloX CF10 effortless and efficient.

## Key Features:
- UV & Weather Resistant
- Greatly improved mechanical properties
- Perfect interlayer adhesion
- Stiff with high modulus and impact resistance
- Heat resistant up to ~95°C
- 10% Carbon Fibres

# ApolloX Kevlar [ASA]

**PERFORMANCE**

ApolloX Kevlar is a high-performance ASA filament reinforced with aramid fibers, making it shatterproof and enhancing its impact and damage resistance. This filament is easy to 3D print on open desktop machines, requiring no enclosure or heated chamber. With a low shrinkage factor and excellent layer adhesion, ApolloX Kevlar offers a seamless printing experience, making it an ideal choice for durable and resilient applications.

## Key Features:
- UV & Weather Resistant
- Greatly improved mechanical properties
- Perfect interlayer adhesion
- High ballistic impact resistance
- Heat resistant up to ~90°C

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# Python Flex TPU 90A

ALLROUND
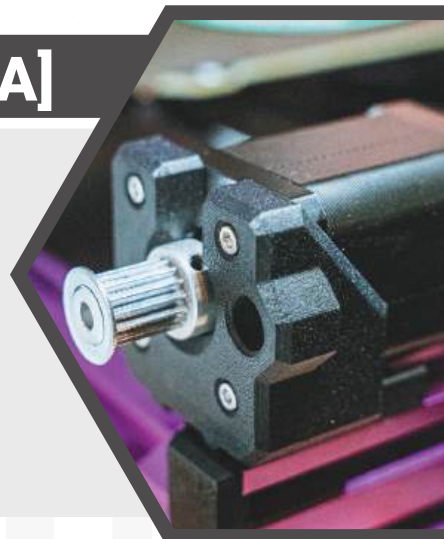
Python Flex TPU 90A boasts exceptional elastic properties, allowing it to stretch up to 520% before breaking. This TPU filament offers excellent resistance to commonly used industrial oils, chemicals, greases, and solvents. Its durability makes Python Flex TPU 90A ideal for mechanical applications, as it can withstand wear and tear while returning to its original shape after deformation.

## Key Features:

- 3 Available Colours
- 90A Shore Hardness
- High wear & tear resistance
- Elongation break point of ~500%
- Excellent resistance to industrial oils and chemicals
- No Warping and perfect interlayer adhesion

# Python Flex TPU 98A

ALLROUND

Python Flex is a flexible TPU 3D printer filament with a shore hardness of 98A, making it ideal for producing strong, resilient parts that require both flexibility and elasticity. This filament can be stretched up to 450% before breaking, showcasing its impressive elastic properties. In its natural form, Python Flex is highly transparent and offers excellent resistance to oils, greases, microorganisms, and abrasion.

## Key Features:

- 3 Available Colours
- 98A Shore Hardness
- High wear & tear resistance
- resistance to oil, greases, microorganisms and abrasion
- Warp-free printing and no deformation after cooling
- Watertight printing possible with only single wall prints

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# FlexiFil TPC 30D

FlexiFil TPC 30D is a rubber-like filament for 3D printing, combining flexibility, elasticity, and resilience. You can easily fold, squish, and stretch printed parts without tearing. Its outstanding impact resistance makes objects nearly unbreakable, stretching over 400% of their original size. Additionally, FlexiFil TPC 30D is resistant to chemicals and UV radiation, and it is slightly more flexible than FlexiFil TPC 40D.

**PERFORMANCE**

### Key Features:
- Flexible with a shore hardness of 30D.
- Extremely impact resistant
- High chemical resistance
- Good UV resistant properties.
- Low moisture absorption

# FlexiFil TPC 40D

FlexiFil TPC 40D is a rubber-like filament for 3D printing, combining flexibility, elasticity, and resilience. You can easily fold, squish, and stretch printed parts without tearing or breaking. Its exceptional impact resistance makes your 3D-printed objects nearly unbreakable, stretching over 400% of their original size. FlexiFil TPC 40D also offers good resistance to chemicals and UV radiation, though it is slightly less flexible than its sibling, FlexiFil TPC 30D.

**PERFORMANCE**

### Key Features:
- Flexible with a shore hardness of 40D.
- Extremely impact resistant
- High chemical resistance
- Good UV resistant properties.
- Low moisture absorption

# LUVOCOM 3F PP CF 9928

LUVOCOM 3F PP CF 9928 BK is a carbon fiber reinforced polypropylene filament designed for 3D printing strong, stiff parts. It offers excellent mechanical properties, outstanding chemical resistance, and continuous electrostatic discharge (ESD) capabilities. This filament features superior printability and enhanced layer bonding, making it ideal for serial production of robust, ESD-safe end-use parts with exceptional dimensional accuracy.

**PERFORMANCE**

### Key Features:
- Carbon Fibre Reinforced
- ESD Safe, Surface Resistance of 107 Ω
- Strong, Stiff and Lightweight
- Good chemical resistance
- Good Mechanical Properties

# Centaur PP - Shore 50D

**ALLROUND**

Centaur PP is a lightweight, high-performance polypropylene filament that is incredibly versatile. This multifunctional material is suitable for a variety of applications, including functional engineering parts, household items, and medical uses, particularly in orthopedics. It is both dishwasher and microwave safe, making it a practical choice for a wide range of projects.

**Key Features:**

- 3 Available Colours
- Food contact compliant natural variant
- Dishwasher proof and microwave safe
- Shore hardness of D50
- Improved wear-, abrasion- and fatigue resistance
- High chemical resistance

# BioFil PCL - Shore 46D

**ALLROUND**

BioFil – PCL is a medical-grade PCL filament ideal for orthopedic, orthotic, and biomedical applications. It allows users to reshape 3D printed parts in warm water at 55°C, facilitating a quick and perfect fit for orthoses to a patient's body. Additionally, BioFil – PCL offers excellent adhesion to textiles, enabling innovative combinations of 3D printed orthopedic components with textiles, such as bonding with insoles, midsoles, or other brace and shoe parts.

**Key Features:**

- Reshape printed parts in warm water at 55°C.
- Excellent adhesion to textiles.
- Good mechanical properties.
- Compliant with EN13432 compostability standards.
- Biodegradable in soil, marine and water.
- Industrial- and home compostable.

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**3D PRINTING MATERIALS**

# STYX PA6

STYX PA6 is a user-friendly nylon filament that offers lower warping and improved layer adhesion compared to other PA6 options. This versatility makes it ideal for 3D printing end-use parts. It demonstrates good resistance to oils, fuels, and lubricants, along with high impact strength and excellent mechanical properties. 3D printed parts are strong, durable, and resistant to wear and abrasion, making STYX PA6 a great choice for functional engineering applications.

**Key Features:**

- Low warping PA6 filament
- Easy to print with a very good layer adhesion
- High strength and resistance to abrasion
- High chemical resistance
- Good electrical insulating properties
- No enclosure or heated chamber required

**ALLROUND**

# STYX PA6-CF15

STYX PA6-CF15 is a high-performance carbon fiber reinforced PA6 filament that retains all the benefits of our STYX PA6 while incorporating 15% carbon fibers. This enhancement results in exceptional strength and stiffness. Designed for ease of use, this engineering filament can be printed on open desktop machines without the need for an enclosure or heated chamber. Its low shrinkage and excellent layer adhesion ensure a smooth printing experience.

**Key Features:**

- 15% Carbon Reinforced
- 200% stiffer than standard PA6
- High mechanical and Impact strength
- Low shrinkage of 0.1%
- Temperature up to 180°C
- No enclosure or heated chamber required

**PERFORMANCE**

*By: Christiaan Lefering*
*Instagram: @es_chrizz*

# STYX PA6-GF30

STYX PA6-GF30 is a high-performance glass fiber-reinforced PA6 filament that enhances all the benefits of our STYX PA6 by incorporating 30% glass fibers. This addition provides remarkable strength and stiffness without brittleness. Designed for ease of use, this engineering filament can be printed on open desktop machines without the need for an enclosure or heated chamber. Its low shrinkage and excellent layer adhesion make STYX PA6-GF30 exceptionally easy to print.

**Key Features:**

- Reinforced with 30% glass fibers
- High compressive strength
- Heat resistant up to 180°C
- High wear, tear, and abrasion resistance
- Excellent chemical resistance
- Easy to print on open desktop 3D printers

**PERFORMANCE**

FORMFUTURA®
3D PRINTING MATERIALS

# LUVOCOM 3F PAHT 9825

FormFutura's Luvocom 3F PAHT 9825 NT is an unreinforced, high-temperature-resistant polyamide 6 (PA6) filament designed for industrial applications. It retains the strength and toughness of pure PA6 nylon while ensuring excellent printability. This makes Luvocom 3F PAHT 9825 NT ideal for 3D printing functional prototypes and end-use parts, achieving exceptional dimensional accuracy.

**Key Features:**
- 50% reduced water uptake
- Temperature resistant up to 160°C
- Tensile strength up to 85 MPa

# LUVOCOM 3F PAHT 9936

Luvocom 3F PAHT 9936 BK is a high-temperature-resistant PA6 filament designed for industrial applications. It combines the strength and toughness of pure nylon with excellent printability, featuring 50% lower water uptake at a rate four times slower than standard PA6. This filament is temperature-resistant up to 160 °C and provides outstanding mechanical performance, making it ideal for functional prototypes and end-use parts with exceptional dimensional accuracy.

**Key Features:**
- 50% reduced water uptake
- Temperature resistant up to 160°C
- Tensile strength up to 78 MPa

# LUVOCOM 3F PAHT CF 9891

Luvocom 3F PAHT CF 9891 BK is a 15% carbon fiber-reinforced PA6 filament designed for industrial use. It combines excellent printability with mechanical strength comparable to injection-molded parts. This filament exhibits 50% lower water uptake and a slower absorption rate than standard PA6, with temperature resistance up to 160 °C. Ideal for serial production, it delivers strong and precise end-use parts with exceptional dimensional accuracy.

**Key Features:**
- 15% Carbon fibre reinforced
- 50% reduced water uptake
- Temperature resistant up to 160°C
- Tensile strength up to 120 MPa

# AthenaX

AthenaX Premium PCTG is a superior alternative to PETG, providing all the advantages of its copolyester family with enhanced performance. While it ensures effortless printing like PETG, it stands out with increased impact strength, excellent dimensional stability, and minimal shrinkage. These characteristics make this filament ideal for a wide range of 3D printing projects.

### Key Features:

- High transparency / clarity
- Good Chemical Resistance
- HDT of 76°C / Vicat of 88°C
- High impact strength comparable to Tough PLA
- Water-resistant (Hydrophobic) Polymer

**ALLROUND**
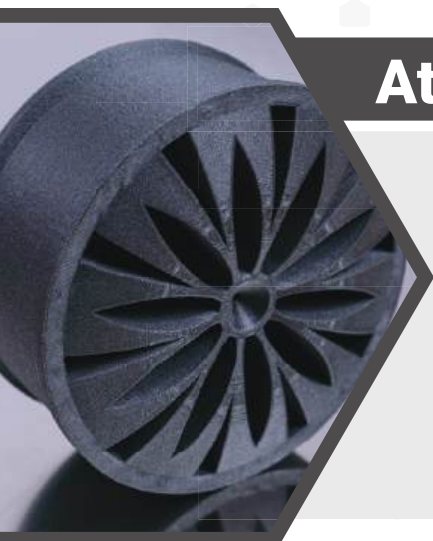
# AthenaX - CF10 [PCTG]

AthenaX CF10 combines all the benefits of our AthenaX filament with 10% carbon fiber reinforcement. This addition enhances the filament's stiffness and impact resistance, resulting in over 59% improved tensile strength. AthenaX CF10 is ideal for 3D printing wear-resistant parts and is easy to print on open desktop machines without the need for an enclosure or heated chamber. Its low shrinkage and excellent layer adhesion ensure a smooth printing experience.

### Key Features:

- PCTG + 10% Carbon Fibers
- HDT of 78°C / VICAT of 89°C
- Stiff and Impact Resistant
- Increased Chemical Resistance
- 59% higher tensile strength than the standard AthenaX
- Superb dimensional stability

**PERFORMANCE**

# AthenaX - GF10 [PCTG]

AthenaX GF10 features 10% glass fiber reinforcement, enhancing electrical and thermal insulation while ensuring parts are stiff, strong, and durable. This engineering filament is resistant to wear and chemicals, making it ideal for demanding applications. It's easy to print on open desktop machines without needing an enclosure or heated chamber, with low shrinkage and excellent layer adhesion for a smooth printing experience.

### Key Features:

- PCTG + 10% glass fibers
- HDT of 78°C / VICAT of 77°C
- Great electrical and thermal insulation specs
- Increasing chemical resistance
- Durable and good resistance to corrosion
- High stiffness and tensile strength

**PERFORMANCE**

**FORMFUTURA®**
**3D PRINTING MATERIALS**

# Kratos PC

**INDUSTRIAL**

Kratos PC is a next-generation polycarbonate filament featuring advanced low-warp technology for minimal shrinkage and enhanced bed adhesion. Its improved flow rate enables high-speed printing without sacrificing quality. Designed for demanding applications, Kratos PC offers exceptional mechanical and thermal properties, making it ideal for durable parts with high impact strength. It provides detailed, dimensionally accurate prints with heat resistance up to 150°C, perfect for engineering-grade projects.

## Key Features:

- Durable with a high impact- and tensile strength
- High resistance to dynamic loads
- Vicat softening temperature of 150°C
- HDT B of 139°C.
- High speed printing compatible up to 200 mm/s
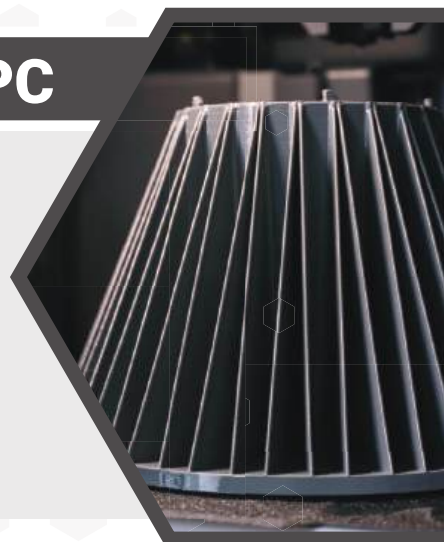
# LUVOCOM **3F PPS CF 9938 BK**

**INDUSTRIAL**

LUVOCOM 3F PPS CF 9938 BK is a poly(p-phenylene sulfide) filament known for its inherent flame retardancy and outstanding chemical resistance. It also exhibits excellent thermal and dimensional stability, making it suitable for demanding applications. Notably, this material can be printed without the need for a heated building chamber, simplifying the printing process.

## Key Features:

- Strong, Super Stiff & Lightweight
- Outstanding Chemical & Thermal Resistance
- Inherently Flame Retardant
- UN-ECE R.118.03 (fire behaviour of materials in buses)
- EN 45545 (fire behaviour of materials in trains)
- UL94 Vertical Burning Test.

# PEI ULTEM 1010

FormFutura's PEI ULTEM 1010 is an ultra-performance 3D printer filament made from ULTEM 1010 resin. This amorphous filament combines excellent thermal properties, exceptional dimensional stability, inherent flame retardancy, and good chemical resistance. With a glass transition temperature of 217°C, parts printed with PEI ULTEM 1010 are suitable for continuous service temperatures up to 170°C, making it ideal for demanding applications.

### Key Features:

⬡ Glass transition temp.of 217°C
⬡ Long-term hydrolytic stability
⬡ Excellent mechanical properties

⬡ Flame retardant UL 94 V-0 and 5VA ratings
⬡ Exceptional chemical resistance

**INDUSTRIAL**

*By: Christiaan Lefering*
*Instagram: @es_chrizz*

# PEI ULTEM 9085

FormFutura's PEI ULTEM 9085 is an ultra-performance 3D printer filament made from ULTEM 9085 resin. This amorphous filament offers excellent thermal properties, exceptional dimensional stability, inherent flame retardancy, and good chemical resistance. It features low smoke evolution and toxicity, meeting UL 94 V-0 and 5VA ratings, making it suitable for applications requiring high safety standards.

### Key Features:

⬡ Glass transition temp. of 186°C
⬡ Long-term hydrolytic stability
⬡ Chemical resistance properties

⬡ Flame retardant UL 94 V-0 and 5VA ratings
⬡ Low smoke evolution and low toxicity

**INDUSTRIAL**
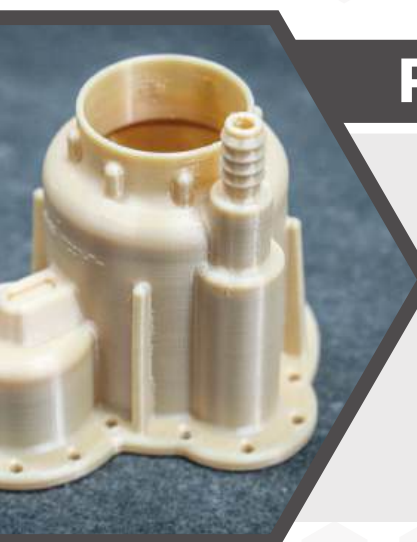
# PPSU

FormFutura's PPSU (Polyphenylsulfone) is an ultra-performance 3D printing filament made from sulfone polymer sourced from Solvay. With a glass transition temperature of 220°C, parts printed with PPSU can withstand continuous temperatures up to 180°C. This filament is particularly suitable for automotive applications, especially around engines and cylinder blocks, due to its excellent resistance to most common automotive fluids.

### Key Features:

⬡ Solvay PPSU
⬡ Superior hydrolytic resistance
⬡ Flame retardant (UL 94 V-0)

⬡ Continuous service temp. of 220°C
⬡ Low smoke evolution and low toxicity
⬡ Radiation resistance Gamma & X-Rays

**INDUSTRIAL**

**FORMFUTURA®**
**3D PRINTING MATERIALS**

# LUVOCOM **3F PEEK 9581**

FormFutura's Luvocom 3F PEEK 9581 (Polyether Ether Ketone) is a high-performance 3D printer filament made from one of the most widely used engineering polymers. This semicrystalline PEEK filament boasts exceptional mechanical properties, along with outstanding thermal and chemical resistance. Parts printed with Luvocom 3F PEEK 9581 can endure short-term service temperatures up to 260°C and continuous service temperatures of up to 250°C, making it ideal for demanding applications.

### Key Features:

⬡ Continuous service temp. of 250°C
⬡ Lehvoss Luvocom 3F PEEK 9581inside
⬡ Excellent mechanical properties
⬡ Heat deflection temperature of 145°C
⬡ Flame retardant (UL 94 V-0)

# LUVOCOM **3F PEEK CF 9676**

FormFutura's Luvocom 3F PEEK CF 9676 is a carbon-fiber reinforced PEEK (Polyether Ether Ketone) 3D printer filament that combines exceptional mechanical properties with excellent thermal and chemical resistance. The incorporation of carbon fibers significantly enhances the stiffness and compressive strength of 3D printed parts. Components made with Luvocom 3F PEEK CF 9676 are suitable for applications exposed to short-term service temperatures up to 280°C and continuous service temperatures up to 250°C.

### Key Features:

⬡ Continuous service temp. of 250°C
⬡ Lehvoss 3F PEEK CF 9676 inside
⬡ Excellent mechanical properties
⬡ Heat deflection temperature of 280°C
⬡ Very high strength & stiffness in all directions
⬡ Non flammable

# LUVOCOM **3F PEKK 50082**

FormFutura's Luvocom 3F PEKK 50082 (PolyEtherKetoneKetone) is a high-performance polymer from the PAEK (PolyArylEtherKetone) family. This semi-crystalline PEKK filament offers exceptional mechanical properties along with outstanding thermal, wear, and chemical resistance. Parts printed with Luvocom 3F PEKK 50082 are suitable for applications exposed to short-term service temperatures up to 300°C and continuous service temperatures up to 255°C.

### Key Features:

⬡ Continuous service temp. of 255°C
⬡ Unique tribological properties
⬡ Excellent mechanical properties
⬡ Flame retardant (UL 94 V-0)
⬡ Low smoke evolution and low toxicity
⬡ Exceptional chemical resistance properties

FORMFUTURA
3D PRINTING MATERIALS

# AquaSolve - PVA

AquaSolve - PVA (polyvinyl alcohol) is a water-soluble support material designed for complex multi-extrusion 3D printing. It offers excellent thermal stability and can be printed at relatively low temperatures, making it an ideal support solution for PLA-based materials, ensuring good thermal and chemical adherence.

## Key Features:

- Excellent (cold) water solubility
- Max thermal stability of 210°C
- Can be disposed in the kitchen sink
- Biodegradable once dissolved in water
- Good bonding to PLA-based materials

# Atlas Support

Atlas Support is a water-soluble PVA (polyvinyl alcohol) filament specifically designed for use as a support material in complex multi-extrusion prints, particularly with PETG-based materials. It features high thermal stability and can be printed at slightly higher temperatures than regular PVA, making it an ideal choice for intricate 3D printing applications.

## Key Features:

- Excellent (cold) water solubility
- Max thermal stability of 225°C
- Can be disposed in the kitchen sink
- Biodegradable once dissolved in water
- Good bonding to PETG-based materials
- Less sensitive to deterioration by humidity

# EasyFil HIPS

EasyFil HIPS is a high-performance, easy-to-print filament that is softer and more flexible than standard HIPS, offering improved impact resistance. This chemically inert material boasts excellent hygiene, high strength, and heat resistance, enabling smooth prints with fine details and a matte surface finish. Lightweight parts can be easily bonded with various adhesives, making EasyFil HIPS a versatile choice for a wide range of applications.

## Key Features:

- 6 Available Colours
- Soluble in Limonene
- High impact resistance
- Smooth and matte surface finish
- Light-weight and durable
- High ESCR resistance

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3D PRINTING MATERIALS
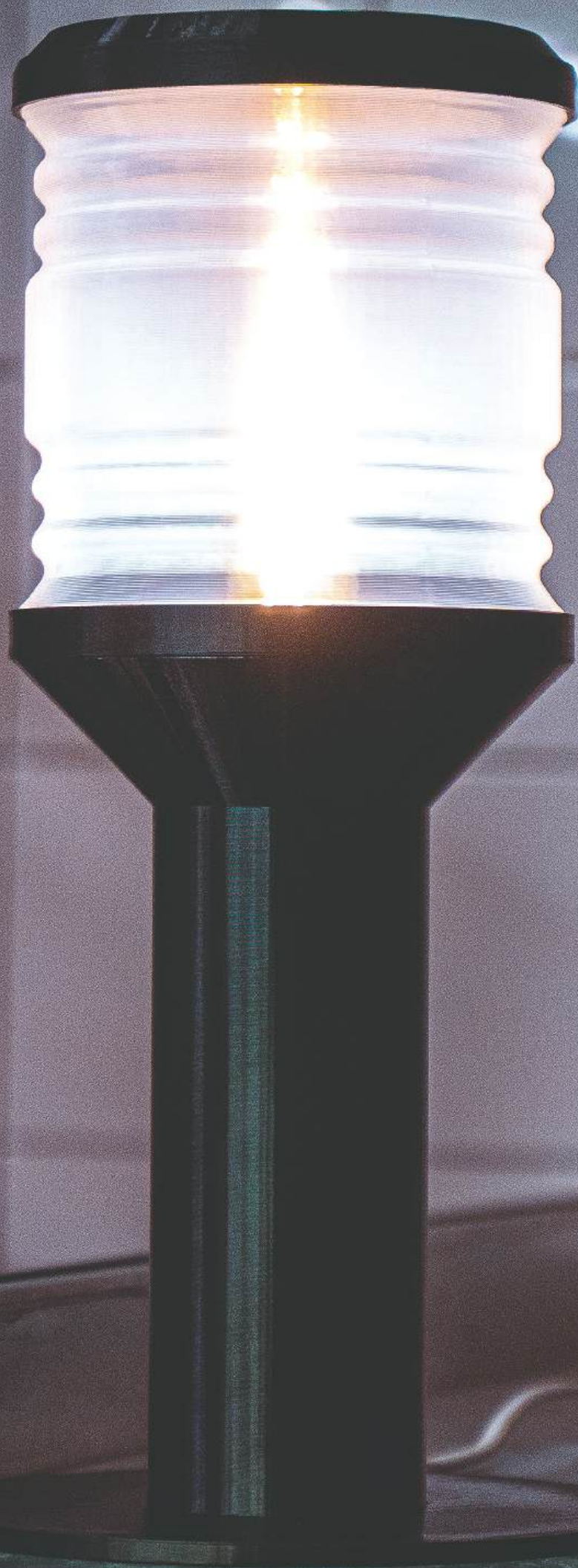
Material: Kratos PC

# ReForm - rPLA

ReForm rPLA is derived from the proven formulation of EasyFil PLA, ensuring exceptional printability and high-quality 3D printing. This filament meets the growing demand for sustainability, as it is produced from post-industrial extrusion waste from EasyFil PLA. As a result, no virgin fossil or natural resources are utilized in its creation, making ReForm rPLA an eco-friendly option without compromising performance.

**ALLROUND**

### Key Features:

- 8 Available Colours
- 100% Recycled PLA
- Wide variety of highly contrasted and muted
- On industrial Size Cardboard Spools of 2300g, 3500g & 4500g
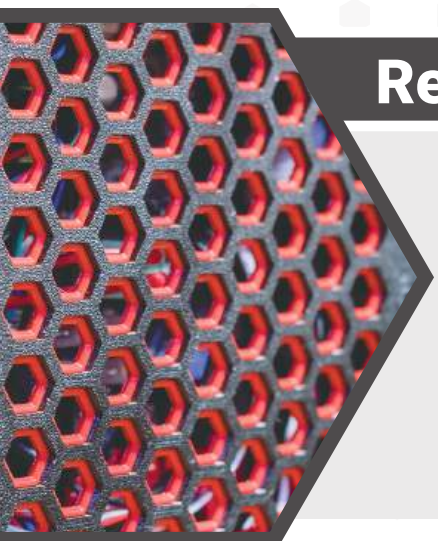
# ReForm - rPET

ReForm rPET sets a high standard for sustainability, crafted entirely from recycled materials without any virgin fossil or natural resources. This eco-friendly PETG filament combines strength, durability, and excellent printability.

**ALLROUND**

### Key Features:

- 12 Available Colours
- 100% Recycled PETG
- Wide variety of high contrasted colours
- On industrial Size Cardboard Spools of 2300g, 3500g & 4500g
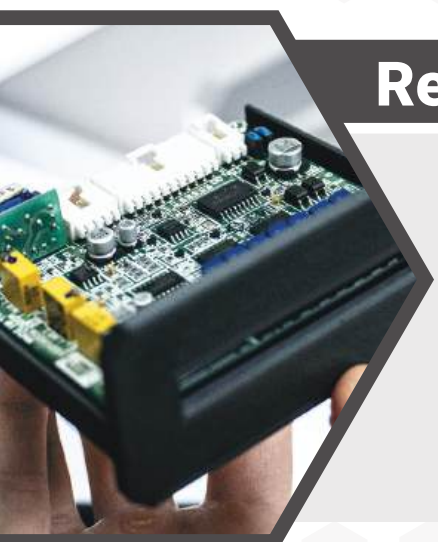
# ReForm - rTitan [ABS]

ReForm rTitan builds on the trusted TitanX formulation for exceptional print quality and mechanical strength, now with a focus on sustainability. Made entirely without virgin fossil or natural resources, it's the most eco-friendly ABS-based filament in our range and likely the market.

**PERFORMANCE**

### Key Features:

- 3 Available Colours
- 100% Recycled ASA
- Strong mechanical properties
- Nearly odorless processing and no unpleasant styrene smell
- On industrial Size Cardboard Spools of 2300g, 3500g & 4500g

**FORMFUTURA®**
**3D PRINTING MATERIALS**

# ReForm - rApollo [ASA]

ReForm rApollo is our most sustainable ASA filament, likely the market's as well. It offers all the benefits of ApolloX—UV and weather resistance, strength, and heat durability—while using no virgin fossil or natural resources, making it an environmentally friendly choice without compromising on quality.

## Key Features:

- 3 Available Colours
- 100% Recycled ASA
- UV & Weather Resistant

- Great mechanical properties
  On industrial Size Cardboard Spools of 2300g, 3500g & 4500g

**FORMFUTURA®**
**3D PRINTING MATERIALS**

# PHOTOPOLYMERS

# Miniature LCD Resin - Model

**ALLROUND**

FormFutura's Miniature LCD Resin - Model is ideal for modeling artists, offering fast curing and high-resolution printing. This resin captures intricate details like fine hairs, wrinkles, and subtle facial expressions, ensuring every delicate feature of your 3D models is vividly realized

### Key Features:

- Fast curing times
- 3D prints in high resolution
- Low viscosity and low odor
- Direct paintable surface
- Dimensional accuracy and stability
- Compatible with 385 - 420nm  DLP/LCD 3D Printers

*By: Puppets War*
*Instagram: @puppetswar*

# Economy LCD Resin

**ALLROUND**

Economy LCD Resin is a beginner-friendly, nearly odorless 3D printing resin. It combines accuracy with quick curing times and delivers a smooth matte finish, proving resin printing can be as economical as filament-based 3D printing.

### Key Features:

- 11 Available Colours
- Limited smell
- Easy to use general purpose LCD resin
- Compatible with 385 - 420nm  DLP/LCD 3D Printers

# Platinum LCD Resin

**ALLROUND**

Platinum LCD Resin is nearly odorless and provides high-precision 3D prints with smooth surfaces. Designed for open-source LCD and DLP printers, this versatile resin ensures efficient printing with fast curing times for general-purpose applications.

### Key Features:

- 4 Available Colours
- Almost no odour
- UV & Weather Resistant
- Low water absorption
- Excellent dimensional accuracy and low shrinkage
- Compatible with 385 - 420nm  DLP/LCD 3D Printers

**FORMFUTURA®**
**3D PRINTING MATERIALS**

# Spectrum LCD Color Mix - Standard Resin

FormFutura's Spectrum LCD Color Mix is a high-quality 3D printing resin that combines the mechanical strength of PLA with the thermal resistance of ABS. This resin offers excellent printability, heat resistance, and stiffness. With the innovative color mixing system, you can achieve 29 RAL colors by adding Spectrum Color Pigments, allowing for easy customization and the creation of unique hues by blending pigments.

## Key Features:

- 29 Available RAL Colours
- Impressive heat resistance of 121°C
- Compatible with DLP and LCD 3D printers
- Mix and create your own colors

# Spectrum LCD Resin - Water Washable

FormFutura's Spectrum LCD Color Mix – Water Washable Resin is a high-quality 3D printing resin designed for easy cleanup with water. This resin allows for the mixing of Spectrum Color Pigments, enabling you to achieve a wide array of true RAL colors. Additionally, you can customize and create your own unique colors by blending different pigments, providing endless possibilities for your 3D printing projects.

## Key Features:

- 29 Available RAL Colours
- Clean prints by simply using water
- Mix and create your own colors
- Compatible with 385 - 420nm  DLP/LCD 3D Printers
- Very safe, simple and fast removal process of uncured resin

# Dental LCD Resin - Model

FormFutura's Dental LCD Model Resin is a high-precision photopolymer specifically designed for accurate modeling of dental applications, including dental models, aligner models, gums, teeth, and crown and bridge models with removable dies. Its surface finish and color closely resemble gypsum, enhancing the depth and detail in dental models. Please note that this resin is intended for modeling purposes only and is not suitable for intraoral use.

## Key Features:

- 2 Available Colours
- High-resolution 3D printing with fine detail
- Almost Odorless processing
- Excellent dimensional accuracy and low shrinkage
- Temperature resistant for dental aligner production
- Compatible with 385 - 420nm  DLP/LCD 3D Printers

FORMFUTURA®
3D PRINTING MATERIALS

# Castable LCD Resin - Castable Wax

FormFutura's Castable Wax Resin is a highly accurate, blue wax-based casting resin designed for direct investment casting in dental, jewelry, and industrial applications. Its wax component ensures a clean, ash-free burnout and features an extremely low expansion factor. This allows the wax filler to melt and shrink away from the mold without expanding, thereby protecting fragile investment molds during the casting process.

**Key Features:**

◇ Ash-free burnout
◇ Low expansion factor
◇ High dimensional accuracy with low shrinkage

◇ Almost odorless processing
◇ Smooth surface with incredibly fine detail
◇ Compatible with 385 - 420nm  DLP/LCD 3D Printers

*By: Christiaan Lefering*
*Instagram: @es_chrizz*

# Engineering LCD Resin - Strong

FormFutura's Engineering LCD Resin - Strong is a black 3D printing resin designed for exceptional flexural and tensile strength. This unique combination of strength and stiffness makes it a versatile choice for a wide range of heavy-duty applications, ensuring reliable performance in demanding environments.

**Key Features:**

◇ Flexural strength up to 120 MPa
◇ Strong, Stiff and Durable
◇ High dimensional accuracy and low shrinkage

◇ Almost odorless processing
◇ Compatible with 385 - 420nm  DLP/LCD 3D Printers

# Engineering LCD Resin - Tough

FormFutura's Engineering LCD Resin - Tough is an impact-resistant 3D printing resin that offers exceptional toughness and durability. With outstanding scratch resistance, this resin is perfect for 3D printing functional prototypes and operational parts. It is suitable for a wide range of applications, from household items to industrial replacement parts, ensuring reliability and longevity in demanding environments.
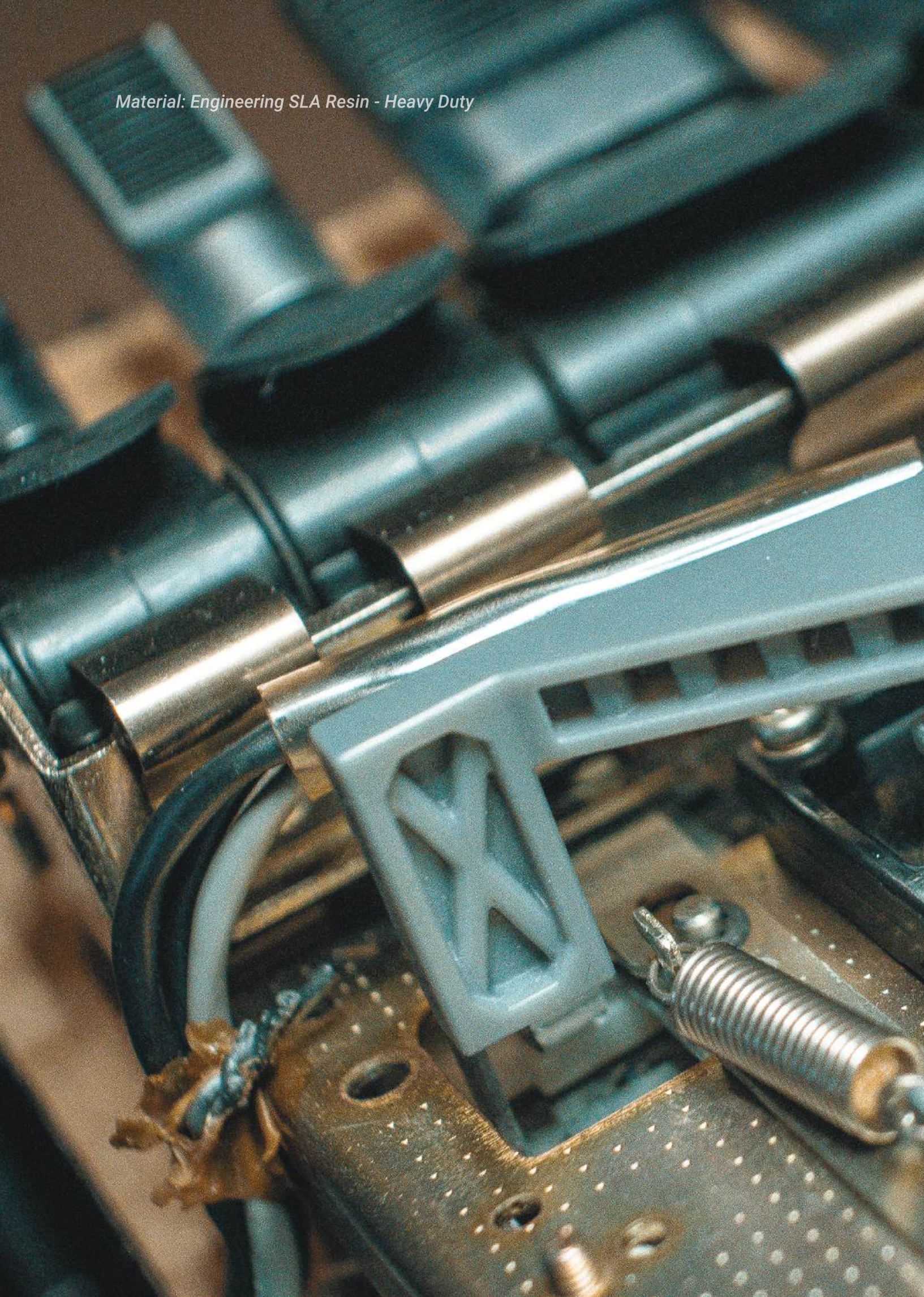
**Key Features:**

◇ High impact resistance
◇ Excellent scratch resistance
◇ High dimensional accuracy and low shrinkage

◇ Almost odorless processing
◇ Good fatigue resistance
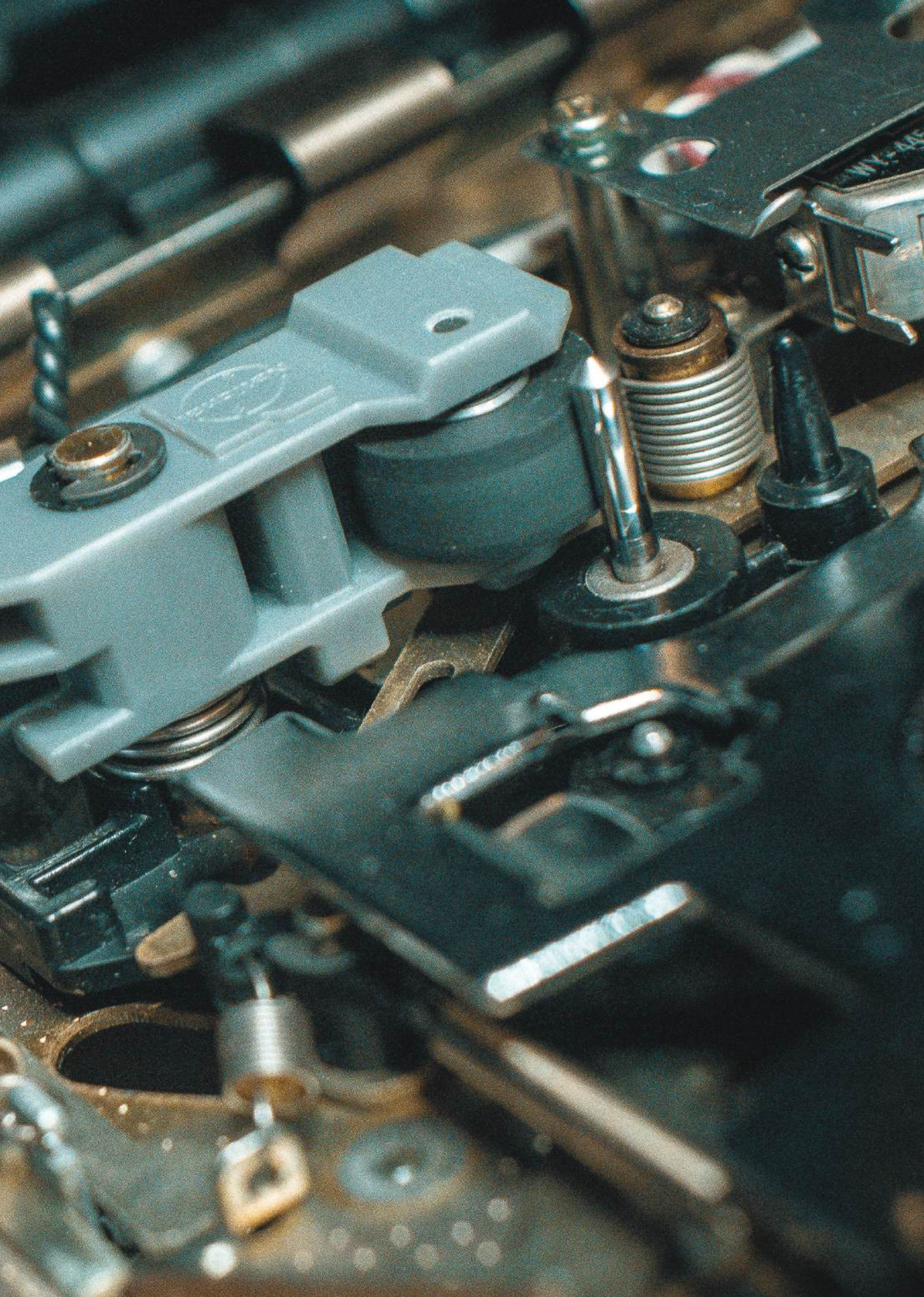◇ Compatible with 385 - 420nm  DLP/LCD 3D Printers

# Engineering LCD Resin - Flex 63A

Our Engineering LCD Series – Flex 63A Resin is an exceptionally flexible and transparent 3D printing resin, boasting a low shore hardness of 63A. This unique combination of flexibility and elasticity makes it a versatile choice for a wide range of applications, enabling the creation of durable parts that require both performance and clarity.

**Key Features:**

◇ Excellent flexibility
◇ High elongation properties up to 80%
◇ Good elasticity properties

◇ Extremely transparent with almost no yellowing
◇ High dimensional accuracy and low shrinkage
◇ Compatible with 385 - 420nm  DLP/LCD 3D Printers

**PERFORMANCE**

# Engineering LCD Resin - Flex 82A

Our Engineering LCD Resin – Flex 82A is a soft-touch 3D printing resin with rubber-like properties, featuring a shore hardness between 82A and 87A, similar to TPU. This semi-flexible yet strong material is ideal for a variety of applications, allowing 3D printed parts to be compressed, bent, and flexed repeatedly without losing their integrity or performance.

**Key Features:**

◇ Rubber-like material properties
◇ Excellentfor damping and shock absorption

◇ Compatible with 385 - 420nm  DLP/LCD 3D Printers

**PERFORMANCE**

# Engineering LCD Resin - Impact 71D

Our Engineering LCD Resin – Impact 71D is a durable 3D printing resin with mechanical properties similar to ABS but enhanced with improved impact strength. Its excellent machinability allows for easy post-processing, making it suitable for drilling and other modifications. These features make Impact 71D ideal for 3D printing mechanical and operational parts that demand both resilience and reliability.

**Key Features:**

◇ ABS-like strength and stiffness
◇ Improved impact resistance
◇ Excellent machinability properties

◇ Excellent machinability properties
◇ Durable, Stuff and Strong

**PERFORMANCE**

FORMFUTURA®
3D PRINTING MATERIALS

# Engineering LCD Resin - Ultimate 2TW

**PERFORMANCE**

FormFutura's Engineering LCD Resin - Ultimate 2TW is a highly versatile 3D printing resin known for its toughness and temperature resistance. It boasts excellent UV and weathering stability, making it suitable for various environments. With impact resistance and a modulus comparable to polypropylene, this resin features shape memory capabilities, returning to its original form when heated above 70°C. Ultimate 2TW is an ideal choice for numerous end-use applications.

## Key Features:

- High toughness and temperature resistance
- Modulus similar to Polypropylene (PP)
- Excellent UV and weathering stability specs
- Memory shape capabilities
- Low skin irritation characteristics
- Compatible with 385 - 420nm  DLP/LCD 3D Printers

# Engineering SLA Resin - Heavy Duty

**PERFORMANCE**

FormFutura's Heavy Duty Resin is a specialized photopolymer designed for compatibility with all open-source SLA, DLP, and LCD 3D printers operating in the 385–405nm range. This engineering resin combines impressive flexural strength with high-temperature resistance and durability, making it ideal for demanding applications. Its robust properties ensure reliable performance in a variety of challenging environments.

## Key Features:

- Flexural strength of 135 MPa
- Strong, Stiff and Durable
- High heat resistance of 128°C
- High dimensional accuracy and low shrinkage
- Almost odorless processing
- Compatible with 385 - 420nm  DLP/LCD 3D Printers

# Engineering SLA Resin - Tough

**PERFORMANCE**

Our Engineering SLA Resin – Tough is highly transparent and expertly engineered to balance high impact strength with semi-flexibility. Its exceptional toughness makes this resin ideal for producing strong, functional parts designed to withstand repeated intense stress or strain, ensuring reliability in demanding applications.

## Key Features:

- High impact resistance
- Good UV and weather resistance
- Good fatigue resistance
- Extremely transparent with virtually no yellowing.
- High dimensional accuracy and low shrinkage
- Compatible with 385 - 420nm  DLP/LCD 3D Printers

**FORMFUTURA®**
**3D PRINTING MATERIALS**

# High Performance Resin – Rigid Ceramic

Our High Performance Resin – Rigid Ceramic is reinforced with durable nanoparticle ceramics, making it one of the stiffest and strongest materials on the market. It achieves a flexural modulus of 9.5 GPa and a maximum flexural strength of 170 MPa, offering impressive resistance to bending under heavy loads. Additionally, this resin boasts excellent chemical and heat resistance, printing with high resolution for a smooth matte finish.

### Key Features:

- Reinforced with durable nanoparticle ceramics
- A superb maximum flexural modulus of 9.5 GPa
- A superb flexural strength up to 170 MPa
- Dimensionally stable under load
- Strong chemical resistance
- Good thermal resistance



*By: Christiaan Lefering*
*Instagram: @es_chrizz*

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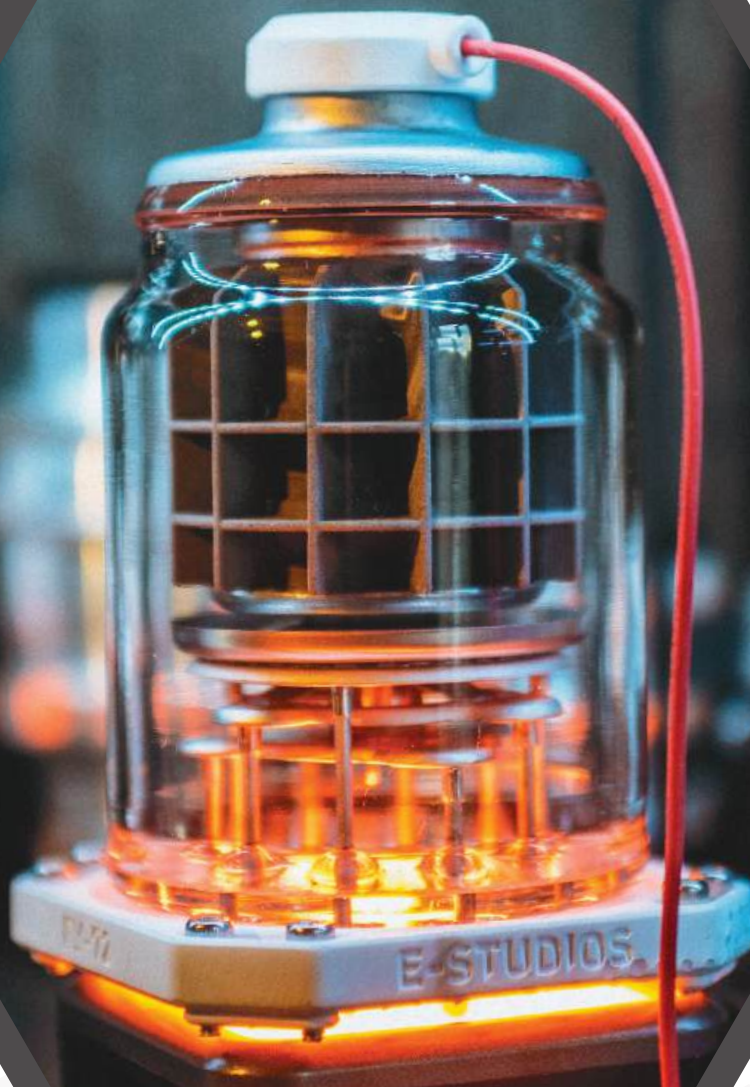
# ACCESSORIES

# EasyFix Adhesive

EasyFix adhesives are designed for strong adhesion to heated build plates, ensuring prints stay secure during the process. Once cooled, they offer excellent release properties, making it easy to remove printed objects without damaging the build plate or the prints themselves. This dual functionality enhances the overall 3D printing experience.

**Key Features:**

◇ Dissolves in water
◇ Easy to apply
◇ Compatible with a wide range of materials

# FEP Film [100µm]

FormFutura's 100µm High Light Transmittance FEP (Fluorinated Ethylene Propylene) film is engineered for 3D printing, featuring superior transparency and excellent light transmission properties. With the lowest refractive index among plastic films, this FEP film is compatible with most LCD and DLP 3D printers on the market, making it an ideal choice for high-performance printing applications.

**Key Features:**

◇ 100µm (Micron)
◇ Tensile strength of ±19.5MPa
◇ LCD & DLP Compatible

◇ Available in 150mm x 200mm and 210mm x 300mm
◇ Very high resistance to chemicals, electricity and solvents
◇ A wide working temperature range of -200°C to +200°C

# EasyClean Resin Cleaner

EasyClean resin cleaner is chemically engineered to safely and effectively remove uncured photopolymer 3D printing resin from SLA, DLP, or LCD printed objects within the 385–420nm range. Made from organic solvents, EasyClean is safer and more efficient than Isopropyl Alcohol (IPA), offering approximately three times the usage duration compared to IPA.

**Key Features:**

◇ Superb cleaning properties
◇ Non-flammable and Limited odor
◇ Available in 1000ml, 5000ml and 10000ml.

◇ Breaks down resin better than IPA and other solutions
◇ Compatible with magnetic stirrers, ultrasonic cleaners and wash/curing stations

**FORMFUTURA®**
**3D PRINTING MATERIALS**

# ReFill System

The FormFutura ReFill System is the ultimate solution for efficient and sustainable 3D printing. It includes ReFill Flanges and a flange connector that seamlessly integrate with ReFill filament coils such as ReFill PLA, PETG, ColorMorph, CarbonFil CF03, BioWood, and Premium PLA CF03. Produced entirely in-house, this innovative system minimizes your carbon footprint by reducing transportation needs and ensuring high-quality, on-demand manufacturing.

**Key Features:**

◇ 200mm Flanges: Compatible with filament coils ranging from 0 to 1kg. Fits in the Bambu Labs AMS Systems.

◇ 245mm Flanges: Suitable for filament coils ranging from 0 to 2kg.

# Modular Spool Holder

FormFutura has designed a versatile spool holder compatible with nearly all filament spools on the market. This easy-to-assemble 3D printed holder consists of just a few components and allows for multiple spools to be added on a single unit. It accommodates larger industrial spools with a diameter of up to 35 cm. Additionally, the holder's width can be easily extended by printing extra pieces to fit specific spool sizes.

**Key Features:**

◇ Modular System for 1 or multiple spools

◇ Compatible with all industrial standard spools

◇ Compatible with custom/3rd party spools

# Color Swatches

Navigating our extensive product range can be overwhelming with so many options available. To simplify your selection process, we now offer color swatches for all our products. This allows you to easily choose the perfect color(s) for your specific project or client needs. If you're looking for a specific color that isn't included, feel free to reach out to our sales team for a custom color request.
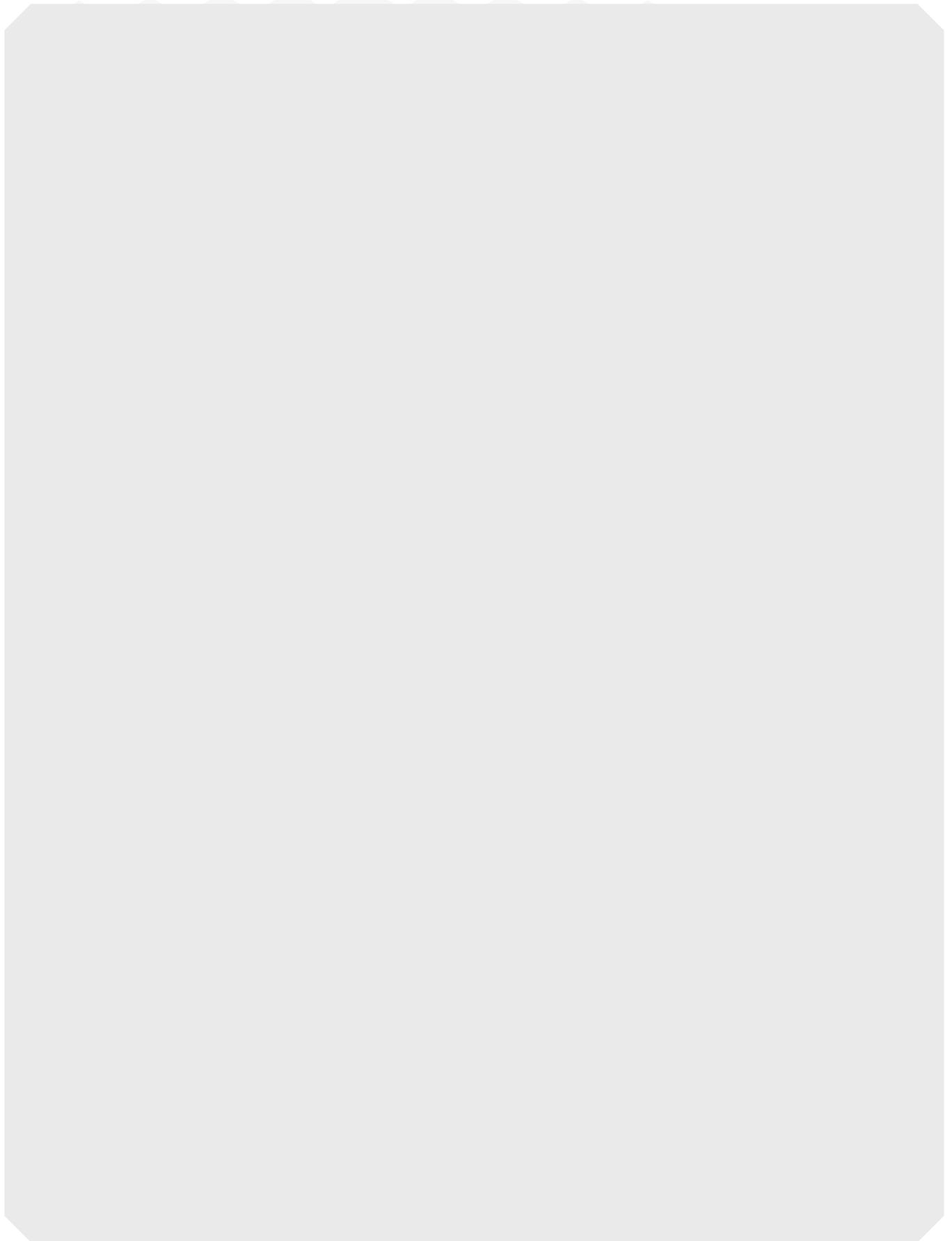
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SCAN FOR MORE INFO
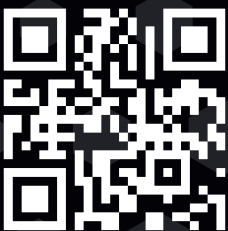
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