TECHNICAL DATA SHEET

ReForm rPP Wood UV
Date of issue: 16-01-2026 / **Date of update:** 16-01-2026

ReForm rPP Wood UV – UV-Stabilized Wood-Filled Polypropylene for LFAM 3D Printing

ReForm rPP Wood UV for LFAM is a premium, highly wood-filled and recycled polypropylene (rPP) granulate optimized for Large-Format Additive Manufacturing (LFAM). This unique 3D printing material is enhanced with additional UV stabilization and offers excellent durability for both indoor and outdoor applications.

Printed parts with ReForm rPP Wood UV feature an authentic wood-like finish that can be customized through processing parameters. Larger nozzle sizes create a more textured, rustic surface, while smaller nozzle sizes enable a smoother, refined finish. The high wood fiber content allows users to fine-tune extrusion temperatures to achieve lighter or darker wood tones. Higher temperatures increase fiber charring, resulting in a deeper, darker wood effect.

This thermal flexibility enables designers and manufacturers to create unique surface textures and line patterns directly during printing. Please note that operating at elevated temperatures may increase the risk of material warpage.

ReForm rPP Wood UV is ideal for a wide range of LFAM applications, including wall panels, furniture, façades, textured surfaces, vases, planters, and many other interior and exterior components. Its combination of aesthetic appeal, UV resistance, and structural performance makes ReForm rPP Wood UV a versatile solution for both functional and decorative large-scale 3D printing projects.

Key Features of ReForm rPP Wood UV Pellets for LFAM

- **High Wood Content** – Delivers an authentic, natural wood appearance with customizable roughness and light-to-dark wood tones..
- **Indoor & Outdoor Versatility** – Suitable for both interior and exterior applications, including demanding environmental conditions.
- **Customizable Surface Finish** – Achieve textured, rustic surfaces with large nozzles or smooth, refined finishes with smaller nozzle sizes.
- **Thermal Aesthetic Control** – Adjustable processing temperatures allow for unique color variations and line structures within a single print.
- **European-Made Quality Compound –** Manufactured in Europe using high-grade recycled PP, ensuring consistent quality, reliability, and traceability throughout the production process.

Suitable Applications of ReForm rPP Wood UV Pellets for LFAM

- Architectural wall panels and decorative elements.
- Indoor and outdoor furniture.
- Building façades and cladding components.
- Rough-top and textured surface applications.
- Vases, planters, and landscape elements.

Material properties	**Typical value**	**Test Method**
MFI (230°C, 2.16kg)	7 g/10min	ISO 1133
Density (23°C)	1,12 g/cm^3	ISO 1183
Moisture content	<0,3%	
Mechanical properties		
Tensile strength (5mm/min)	19 MPa	ISO 527
Elongation at brake (5mm/min)	9%	ISO 527
Tensile E-modulus (1mm/min)	2000 MPa	ISO 527
Charpy notched impact strength (23°C)	10 kJ/m^2	ISO 179
Thermal properties		
HDT	92 °C	
Melt temperature	170 - 200 °C	-

TECHNICAL DATA SHEET

ReForm rPP Wood UV
Date of issue: 16-01-2026 / **Date of update:** 16-01-2026

Processing Recommendations for ReForm rPP Wood UV Pellets for LFAM

Pre-Drying: 3-4hrs at 60-70 °C (<100ppm)

For optimal 3D printing results it is recommended to pre-dry ReForm rPP Wood UV pellets to a moisture content below 100 ppm.

Zone 1: 180°C ±10 °C	**Zone 2:** 190 °C ±10 °C	**Zone 3:** 200°C ±10 °C
Max temp: 210 °C	**Die temp:** 200°C ±20 °C	

Typical extrusion settings may require optimization based on hardware used.

Storage and Handling Guidelines for ReForm rPP Wood UV Pellets for LFAM

ReForm rPP Wood UV is considered an inert and safe material under standard storage conditions, presenting no significant hazards. To ensure maximum quality, stability, and long-term performance, proper storage practices are recommended.

For best results:

- Store in a tightly sealed container to protect against moisture absorption.
- Keep in a dry, cool, and well-ventilated environment.
- Avoid direct exposure to sunlight or intense artificial light to preserve material integrity.

By following these guidelines, ReForm rPP Wood UV will maintain its reliability and print performance over time.

Product export information

HS code:	39021000
Description:	rPP resin in primary form
Origin:	European Union

Disclaimer

The product and technical data provided in this datasheet are, to the best of FormFutura B.V.'s knowledge, accurate at the time of publication and are intended solely for reference and comparative purposes. Actual results may vary depending on printing conditions, model design, environmental factors, and other variables. The values presented are typical, non-binding, and should not be interpreted as guaranteed specifications.

All information supplied, whether in this document or otherwise, is believed to be reliable; however, it is provided on the express condition that the customer conducts its own evaluation to determine the product's suitability for any specific application. FormFutura B.V. makes no warranties, express or implied, regarding the accuracy or completeness of the information provided, the data on which it is based, or the results obtainable from the use of the product or such information. No warranty is made, whether of satisfactory quality, merchantability, fitness for a particular purpose, non-infringement of intellectual property rights, or otherwise, and none shall be implied.