TECHNICAL DATA SHEET

ReForm rPETG Frosted
Date of issue: 16-01-2026 / **Date of update:** 16-01-2026

ReForm rPETG Frosted Pellets for LFAM

ReForm rPETG Frosted is a high-performance, translucent white recycled PETG granulate, engineered for Large-Format Additive Manufacturing (LFAM) applications. Its distinctive frosted finish provides excellent light diffusion. This makes it an ideal choice for lighting and visual applications where smooth, even illumination is essential.

Printed parts disperse light uniformly by minimizing visible light sources and eliminating harsh hot spots. The result is a soft, homogeneous glow that enhances both functional and aesthetic designs.

Ideal for Light-Diffusing Applications

Thanks to its balanced combination of durability, translucency, and visual consistency, ReForm rPETG Frosted is well suited for a wide range of applications, including:

- Lighting components and illuminated panels;
- Signage and wayfinding systems;
- Architectural and interior design elements;
- Office furniture and functional design objects;
- Exhibition stands and display systems.

Excellent Processability & Post-Processing

ReForm rPETG Frosted is designed for reliable performance in LFAM systems and offers strong mechanical properties and smooth printability. Finished parts can be easily drilled, sawn, screwed, or bonded with adhesives, allowing seamless integration into complex assemblies and final products.

Key Features of ReForm rPETG Frosted

- **Uniform Light Diffusion** – Translucent frosted white appearance ensures soft, even illumination.
- **High Impact Strength & Crack Resistance** – Delivers durability and reliability for large-format 3D printed parts.
- **Easy Post-Processing** – Compatible with common mechanical and adhesive finishing techniques.
- **Good Chemical Resistance** - Good resistance to cleaning agents, various chemicals, and environmental factors, extending the printed part's lifetime and maintaining surface quality
- **European-Made Quality Compound** – Manufactured in Europe using high-grade recycled PETG, ensuring consistent quality, traceability, and sustainability.

Material properties	**Typical value**	**Test Method**
MVR (260°C, 2.16kg)	11-13 cm^3/10min	ISO 1133
Density	1,27 g/cm^3	ISO 1183-1
Mechanical properties		
Tensile modulus	2220 MPa	ISO 527
Flexural strength	70.6 MPa	ISO 178
Elongation at yield	5%	ISO 527
Elongation at break	37%	ISO 527
Charpy impact strength (23 °C unnotched)	No break	ISO 179
Charpy impact strength (23 °C notched)	Ca. 7,4 kJ/m2	ISO179
Thermal properties		
HDT A	64 °C	ISO 75
HDT B	71 °C	ISO 75
Vicat softening temperature	82 °C	ISO 306

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Processing ReForm rPETG Frosted

Drying: 6-10hrs at 65 °C (<400ppm / 0,04%) *

Do not exceed a drying temperature of 65 °C, as higher temperatures may cause pellet softening and caking within the drying hopper.

Zone 1: 210°C ±20 °C	**Zone 2:** 220°C ±20 °C	**Zone 3:** 230°C ±20 °C
Max temp: 240 °C	**Die temp:** 240°C ±20 °C	

Storage and handling of ReForm rPETG Frosted

ReForm rPETG Frosted is 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 rPETG Frosted will maintain its reliability and print performance over time.

Product export information

HS code:	39079980
Description:	PETG resin in primary form
Origin:	European Union

Disclaimer

The product and technical data provided in this datasheet are correct to the best of FormFutura BV's knowledge and are intended solely for reference and comparison purposes. Actual values may vary depending on printing conditions, model complexity, environmental factors, and other variables. Typical values are indicative only and do not constitute binding specifications.

All other information supplied, including that contained herein, is believed to be accurate but is provided on the express condition that the customer is responsible for making its own assessment to determine the product's suitability for a particular purpose.

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