FGFT® Polypropylene Light Weight

Item no.: PP-LW-NA01-X-XX

Technical information

Description	Method	Typical value
Specific gravity	ISO 1183	0,77 g/cc
MFI 230 °C/2,16 kg	ISO 1133	1,9 gr/10 min
Tensile modulus (E)	ISO 527	450 Mpa
Tensile strength at yield	ISO 527	6,8 Mpa
Tensile strength at break	ISO 527	4,2 Mpa
Elongation at break		
Impact strength – charpy method 23 °C	ISO 179	13,8kJ/m2
Vicat B 50N	ISO 306	°C
Mold shrinkage		

Printing recommendations	
Pre-drying	Hot air 70°C / 2 hrs - dry air 70°C / 1 hr
Zone 1 temperature	160°C +/-10c
Zone 2 temperature	190°C +/-10c
Zone 3 temperature	190°C +/-10c
Zone 4 temperature	190°C +/-10c
Mass temperature	190°C
Die temperature	190°C
Max. moisture content	0,1%

FGFT® Polypropylene Light is a low-density polypropylene granulate designed to reduce material consumption and component weight while maintaining durability and dimensional stability. Optimized for large-format FGF 3D printing, it enables the production of lightweight, functional components with reliable processing characteristics. Its lightweight formulation makes it suitable for applications where weight reduction and material efficiency are important.

Material features:

- Lightweight
- Reduced Material Consumption
- Dimensional Stability
- Chemical Resistance
- Durable & Impact-Resistant
- Optimized for FGF Printing

Applications:

- Chemical-Resistant Housings & Enclosures
- Functional Prototypes & Lightweight Structural Parts
- Large-Scale Industrial Components
- Transparent Covers & Protective Casings
- Containers & Other Functional Components

Additional information:

- Store cool and dry (15-25 °C)
- Available in cylindricals and UWG
- For FGF applications

All raw materials used in the production of products are in conformity with the REACH regulation (EC) no.1907/2006.
***Disclaimer:** All above-mentioned data have been carefully checked according specific testing procedures and/or based on of raw material data and experience with compatible formulations. The data are provided for informational purposes only. Therefore, no guarantee or warranty can be expected from these data. They are part of the quality and delivery specifications. The applicability of the product should be tested under local processing conditions at the converter.*

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