

FGFT® Polypropylene Transparent

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

Technical information

Description	Method	Typical value
Specific gravity	ISO 1183	0,9 g/cc
MFI 230 °C/2,16 kg	ISO 1133	8 gr/10 min
Tensile modulus (E)	ISO 527	402 Mpa
Tensile strength at yield	ISO 527	16,3 Mpa
Tensile strength at break	ISO 527	26 Mpa
Elongation at break		
Impact strength – charpy method 23 °C	ISO 179	kJ/m2
Vicat B 50N	ISO 306	°C
Mold shrinkage		

FGFT® Polypropylene – Transparent. High-performance transparent PP granulate combining low weight, chemical resistance, and dimensional stability for durable and visually clear industrial parts. Designed for large-format FGF 3D printing, FGFT® PP Transparent produces lightweight, durable, and visually clear components. Its transparent formulation offers reliable processing, low warping, and excellent dimensional stability, making it ideal for functional and industrial applications.

Material features:

- Transparent & Lightweight
- Dimensional Stability
- Chemical Resistance
- Durable & Impact-Resistant
- Optimized for FGF Printing

Applications:

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

Additional information:

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

Printing recommendations	
Pre-drying	Hot air 60°C / 2 hrs - dry air 60°C / 1 hr
Zone 1 temperature	195 °C +/-10c
Zone 2 temperature	215 °C +/-10c
Zone 3 temperature	210 °C +/-10c
Zone 4 temperature	205 °C +/-10c
Mass temperature	°C
Die temperature	°C
Max. moisture content	%

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.