FGFT® PLA Hexa

Item no.: PLA-HEXA-NA01-X-XX

Technical information

Description	Method	Typical value
Specific gravity	ISO 1183	1,25 g/cc
MFI 210 °C/ 2,16 kg	ISO 1133	2,9 gr/ 10 min
Tensile modulus (E)	ISO 527	5055 Mpa
Tensile strength at yield	ISO 527	36 Mpa
Tensile strength at break	ISO 527	23 Mpa
Elongation at break		
Impact strength – charpy method 23 °C	ISO 179	9,8 kJ/m2
Vicat	ISO 306	°C
Mold shrinkage		

Printing recommendations	
Pre-drying	Hot air °C / hrs - dry air °C / hrs
Zone 1 temperature	°C
Zone 2 temperature	°C
Zone 3 temperature	°C
Zone 4 temperature	°C
Mass temperature	°C
Die temperature	°C
Max. moisture content	%

FGFT® PLA Hexa is an advanced, biodegradable PLA-based compound engineered for superior strength, durability, and heat resistance. Featuring very low shrinkage and high printing speeds, it delivers excellent dimensional accuracy and enhanced mechanical properties while maintaining the ease of printing associated with standard PLA. Whether you're creating functional prototypes, structural components, or high-performance models, PLA HEXA delivers exceptional results.

Material features:

- High heat resistance
- Excellent dimensional accuracy
- Superb mechanical properties
- Excellent interlayer adhesion
- Matte finish

Applications:

- Functional prototypes & engineering models
- Structural components & technical parts
- Industrial housings & enclosures
- Jigs, fixtures & tooling

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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