

GLASS FIBER - TECHNICAL DATA SHEET

TECHNICAL SPECIFICATIONS VALUE TEST METHOD - ISO

TECHNICAL SPECIFICATIONS	VALUE	TEST METHOD - ISO
Material	Glass Fiber Reinforced Polyamide	-
Density	1,18 g/cm ³	1183
Impact Strenght	80 Kj/m ²	179/2-1eU
Melting Point	180° C	11357
Tensile Modulus	4000 MPa	527
Tensile Strength	95 MPa	527
Shore Hardness	77 MPa	2039-1
Heat Deflection Temp. HDT/A	160° C	75
Thermal Expansion Coefficient	0,1 10 ⁻⁴ /K	11359
Max Usage Temp. Long Term	90° - 120° C	2578
Max Usage Temp. Short Term	150° C	2578D
Dielectric Strength	-	IEC 60243
Specific Volume Resistivity	10 ¹¹ Ωm	IEC 60243
Flammability	HB	1210
Linear Mould Shrinkage	0,5	294

FILAMENT SPECIFICATIONS VALUE AND TOLERANCES

Filament net weight	0.5 Kg
Roundness deviation	Max 2%
Color	Semi-Transparent White
Diameter	1.75 mm / 2.85 mm
Diameter Tolerance	± 0.05 mm
Recommended printing temperature	240° C
Recommended printing speed	40 mm/s
Recommended bed temperature	20° C (Not necessary)