



TDS Rev 3.0

Technical Data Sheet: AmideX™ PA6-GF30 3D Printing Filament

Physical Properties	Standard	Unit	Typical Value
Density	ISO 1183	g/cc	1.3

Mechanical Properties	Standard	Unit	Typical Value
Tensile Strength, Break	ISO 527	MPa	6280
Tensile Modulus	ISO 527	MPa	4621
Tensile Elongation, Break	ISO 527	%	2
Flexural Strength	ISO 178	MPa	5850
Flexural Modulus	ISO 178	MPa	6100

Thermal Properties	Standard	Unit	Typical Value
Melt Temperature	DSC	°C	210
Deflection Temperature at 0.45 MPa (66psi)	ISO 75	°C	130

Electrical Property	Standard	Unit	Typical Value
Surface Resistance	ASTM D257	Ohm/sq	>10 ¹³

Printed Specimen Conditions
Printer: Gearbox™ HT2
Nozzle: 0.4mm
Layer Height: 0.25mm
Infill: 100%, +/- 45°
Extrusion Temp: 270°C
Bed Temp: 80°C
Specimen Orientation: XY Flat

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