



Technical Data Sheet:

3DFINITY PETG 3D Printing Filament

Physical	Condition	Test Method	Typical Value
Density		ASTM D792	1.27 g/cm ³
Bulk Density			0.73 g/cm ³
Intrinsic Viscosity		ISO 1628-5	0.76 dl/g
Moisture			≤ 0.3 %

Mechanical	Condition	Test Method	Typical Value
Tensile Modulus		ISO 527	1660 MPa
Tensile Strength		ISO 527	42,3 Mpa
Tensile Elongation, Break		ISO 527	12,70%
Flexural Modulus		ISO 178	1769 MPa
Tensile Strength		ISO 178	61,3 Mpa
Impact Strength		ISO 179	48,1 kJ/m ²

Thermal	Condition	Test Method	Typical Value
Glass Transition Temperature		ASTM D3418	80 - 85 °C

Printed Specimen Conditions	
Printer:	Open Source FDM/FFF
Nozzle:	0.4 mm
Layer Height:	0.25 mm
Nozzle Temperature	250 - 265 °C
Bed Temperature	60 - 80 °C
Print Speed	up to 200 mm/s
Chamber Temperature	50 - 70 °C
Cooling Fan	30 - 50 %

Disclaimer: The technical data contained on this data sheet is furnished without charge or obligation and accepted at the recipient's sole risk. This data should not be used to establish specifications limits or used alone as the basis of design. The data provided is not intended to substitute any testing that may be required to determine fitness for any specific use.