www.3dfinity.com

Technical Data Sheet:

3DFINITY PETG 3D Printing Filament

Physical	Condition	Test Method	Typical Value
Density		ASTM D792	1.27 g/cm3
Bulk Density			0.73 g/cm3
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/m2

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 %