



TDS Rev 3.0

Technical Data Sheet: 3DXFLEX™ TPE 3D Printing Filament made using PEBA^X® elastomer

Physical Properties	Standard	Unit	Typical Value
Density	ISO 1183	g/cc	1.0

Mechanical Properties	Standard	Unit	Typical Value
Tensile Strength, Break	ISO 527	MPa	8
Tensile Modulus	ISO 527	MPa	70
Tensile Elongation, Break	ISO 527	%	>400
Flexural Strength	ISO 178	MPa	7
Flexural Modulus	ISO 178	MPa	65

Thermal Properties	Standard	Unit	Typical Value
Melt Temperature (T _m)	DSC	°C	147
Vicat Softening Temperature	ISO 306	°C	111

Hardness	Standard	Unit	Typical Value
Shore Hardness	ISO 7619-1	Shore A	92-95

Printed Specimen Conditions
Printer: Open Source FDM/FFF
Nozzle: 0.4mm
Layer Height: 0.25mm
Infill: 100%, +/- 45°
Extrusion Temp: 220-230°C
Bed Temp: 85-95°C
Specimen Orientation: XY Flat

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