



TDS Rev 1.0

Technical Data Sheet: 3DXFLEX™ TPU (85A) 3D Printing Filament

Physical Properties	Standard	Unit	Typical Value
Density	ASTM D792	g/cc	1.19

Mechanical Properties	Standard	Unit	Typical Value
Tensile Strength, Break	ASTM D638	MPa	4
Tensile Modulus	ASTM D638	MPa	12
Tensile Elongation, Break	ASTM D638	%	660

Thermal Properties	Standard	Unit	Typical Value
Heat Deflection Temperature @ 66 psi / 0.45 MPa	ASTM D648	°C	44

Hardness	Standard	Unit	Typical Value
Shore Hardness	ASTM D2240	Shore A	85

Printed Specimen Conditions
Printer: Open Source FDM/FFF
Nozzle: 0.75mm
Infill: 100%, +/- 45°
Specimen Orientation: XY Flat

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