



TDS Rev 1.0

Technical Data Sheet: THERMAX™ PES 3D Printing Filament

Physical Properties	Standard	Unit	Typical Value
Density	ISO 1183	g/cc	1.37

Mechanical Properties	Standard	Unit	Typical Value
Tensile Strength, Yield	ISO 527	MPa	86
Tensile Modulus	ISO 527	MPa	2640
Tensile Elongation, Yield	ISO 527	%	6.9
Flexural Strength	ISO 178	MPa	86
Flexural Modulus	ISO 178	MPa	2370

Thermal Properties	Standard	Unit	Typical Value
Glass Transition Temperature (Tg)	DSC	°C	225
Deflection Temperature at 1.80 MPa (260psi)	ISO 75	°C	205

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

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