



3D Printing Filament

TECHNICAL DATA SHEET - PRO Series ESD-Safe PETG

Commercial name: MatterHackers PRO Series ESD-Safe PETG
Raw material: Polyethylene Terephthalate Glycol (PETG)
Designation: 3D printing applications
Manufacturer: MatterHackers, Inc

PHYSICAL PROPERTIES	VALUE	TEST METHOD
Density:	1.28 g/cc	ISO 1183

MECHANICAL PROPERTIES

Tensile Strength (Break):	50 MPa	ISO 527
Tensile Modulus:	1800 MPa	ISO 527
Tensile Elongation (Break):	13%	ISO 527
Flexural Strength:	74 MPa	ISO 178
Flexural Modulus:	1780 MPa	ISO 178

THERMAL PROPERTIES

Glass Transition Temperature (Tg):	80°C	DSC
Heat Deflection Temp (0.45 MPa):	75°C	ISO 75

ELECTRICAL PROPERTIES

Surface Resistance:	$10^7 - 10^9 \Omega/\text{sq}$	ASTM D257
---------------------	--------------------------------	-----------