

TRADE NAME:	<b>Fiberlogy ESD PET-G</b>
MANUFACTURER:	Fiberlab S.A., Brzezcie 387, 32-014 Brzezcie, Poland
DESCRIPTION:	<b>ESD PET-G</b> filament designed for printing in FFF/FDM technology, available in a black color, wound on a spool, vacuum-packed in a plastic bag, placed in a cardboard box.

**TECHNICAL INFORMATION:**

Diameter:	1.75 mm
Diameter Tolerance:	+/- 0.02 mm
Avg Roundness:	+ 0.01 mm
Net Weight:	0.5 kg
Print Temperature:	250°C - 265°C
Bed Temperature:	85°C



Physical Properties	Test Method	Unit	Typical Value
Specific Density	ISO 1183	g/cm <sup>3</sup>	1.3
Mechanical Properties	Test Method	Unit	Typical Value
Tensile Strength @ Yield	ISO 527	MPa	48
Tensile Strength @ Break	ISO 527	MPa	50
Tensile Modulus	ISO 527	MPa	2400
Elongation @ Yield	ISO 527	%	-
Elongation @ Break	ISO 527	%	5
Flexural Strength	ISO 178	MPa	70
Flexural Modulus	ISO 178	MPa	2600
Izod Impact Strength (Notched) @ 23°C	ISO 180	kJ/m <sup>2</sup>	3
Thermal Properties	Test Method	Unit	Typical Value
Heat Distortion Temperature @ 0.45 MPa	ISO 75	°C	75
Glass Transition Temperature Tg	DSC	°C	85
Electrical Properties	Test Method	Unit	Typical Value
Surface Resistivity	ASTM D 257 1991	Ω/cm <sup>2</sup>	10 <sup>5</sup> - 10 <sup>8</sup>
Volume Resistivity	IEC 60093	Ω*cm	10 <sup>5</sup> - 10 <sup>7</sup>

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