PETg 0800 ESD Filament

Jabil Engineered Materials PETg 0800 ESD is an easy processing, electrostatic dissipative (ESD) product for printing parts that require protection from electrostatic discharge. This product has high strength and stiffness with a

STORAGE AND USE

PETg is a hygroscopic material, meaning it will absorb moisture from the atmosphere, affecting visual quality and mechanical properties. For best results, print and store filament in a dry environment. If necessary, dry filament in an oven at 65 °C (150 °F) for 6 — 12 hours.

PROPERTIES

MECHANICAL PROPERTIES[1]

Tensile Modulus (MPa)	XY coupons, Ambient	1895	ASTM D638, Type I
Tensile Elongation at Break (%)	XY coupons, Ambient	7.9	ASTM D638, Type I
Ultimate Tensile Strength (MPa)	XY coupons, Ambient	38.8	ASTM D638, Type I
	XY coupons, Ambient	2050	ASTM D790
	XY coupons, Ambient	71.6	ASTM D790
Izod Impact, Notched (J/m)	XY coupons, Ambient	48.5	ASTM D256
Izod Impact, Un-notched (J/m)	XY coupons, Ambient	415.9	ASTM D256

THERMAL PROPERTIES[2]

Heat Deflection Temperature (°C)	0.455 Mpa	67.4	DMA

[2]Testing conducted on coupons printed at a temperature of 270 °C, ±45° infill, 0.15 mm layer height and 3 wall contours. Typical values are for reference only.

OTHER PHYSICAL PROPERTIES

Density (g/cm3)	Ambient	1.26	ASTM D792
Surface Resistivity (ohm/sq)	Ambient		ANSI/ESD STM11.11

DIMENSIONAL PROPERTIES

	In-line, 100% inspection	1.75±0.05 2.85±0.05	Laser Micrometer