

## PETg 0800 ESD

### Overview

Jabil Engineered Materials PETg ESD is an easy processing, Electrostatic Dissipative (ESD) product for printing parts that meet sensitive electronics and could be damaged by electrostatic discharge. These products have good strength and stiffness with a good balance of properties in XY and XYZ directions and the added benefit of ESD for Jigs, Fixtures & Tooling that needs to safely handle electronic components.



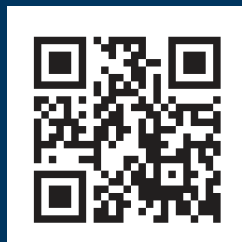
### Applications:

- Jigs, fixtures, and tooling
- Housings
- End of arm tooling
- Brackets

### Advantages:

- ESD properties - ESD of  $10E5-10E9$
- Easy printability
- Low shrinkage and warpage
- Good continuous use temperature
- Excellent chemical resistance
- Good stiffness and strength
- Very consistent lot to lot print properties with a ISO 9001 Certificate of Analysis with every spool

Scan for more information:



## PETg 0800 ESD



### Print Temperature

The optimal printing range is 260°C to 280°C.



### Bed Temperature

A bed temperature of 80°C to 85°C will keep the prints firmly attached.



### Printing Speed

Base printing speed of 60 mm/s  
 Infill speed of 45 mm/s  
 Wall speed of 40 mm/s  
 Initial layer speed of 30 mm/s



### Cooling

For the best mechanical properties, use a regular cooling fan speed of 5%. Increase the fan speed if better feature detail is required, up to 100%.



### Bed Adhesion

Firm adhesion can be obtained with PVA-based glue stick on a glass bed or PEI sheet. A brim should be used.



### Colors Available

Black



### Diameters Available

1.75mm & 2.85mm

Scan to get print profiles:



### Mechanical Properties

	Test Condition	Typical Value	Method
Tensile Modulus (psi)	X coupons, Ambient	248	ASTM D638
Tensile Elongation at Break (%)		11	
Ultimate Tensile Strength (psi)		6800	
Flexural Modulus (ksi)	Ambient	245	ASTM D790-17, Procedure B
Flexural Strength (psi)		1000	

### Thermal Properties

	Test Condition	Typical Value	Method
Deflection Temperature (°C)	0.45 Mpa	71	ASTM D648-16, Method B

### Other Physical Properties

	Test Condition	Typical Value	Method
Density (g/cm3)	Ambient	1,28h	ASTM D792-13, Method A