



# Stat-Tech™ MP-10GF-05CF/000 NH FR ASTRAL GREY

## Polyphenylene Ether

### Key Characteristics

Product Description	
Dissipative Glass Reinforced MPPO Compound with Flame Retardant	
General	
Material Status	• Commercial: Active
Regional Availability	• Asia Pacific
Appearance	• Grey
Processing Method	• Injection Molding

### Technical Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.26	1.26	ASTM D792
Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength	14500 psi	100 MPa	ASTM D638
Flexural Modulus	1.13E+6 psi	7800 MPa	ASTM D790
Impact	Typical Value (English)	Typical Value (SI)	Test Method
Notched Izod Impact 73°F (23°C), 0.126 in (3.20 mm)	0.84 ft·lb/in	45 J/m	ASTM D256
Electrical	Typical Value (English)	Typical Value (SI)	Test Method
Surface Resistivity	< 1.0E+7 ohms	< 1.0E+7 ohms	ASTM D257
Flammability	Typical Value (English)	Typical Value (SI)	Test Method
Flame Rating			Internal Method
0.06 in (1.5 mm)	V-0	V-0	
0.12 in (3.0 mm)	V-0	V-0	

### Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Drying Temperature	194 to 212 °F	90 to 100 °C
Drying Time	3.0 to 5.0 hr	3.0 to 5.0 hr
Processing (Melt) Temp	518 to 572 °F	270 to 300 °C
Mold Temperature	140 to 212 °F	60 to 100 °C

Injection Notes
Injection Pressure: MED-HIGH
Hold Pressure: MED-HIGH
Screw Speed: MODERATE
Back Pressure: LOW

### Notes

<sup>1</sup> Typical values are not to be construed as specifications.