

## PolyOne Stat-Tech™ PP-CP1/000 HF6 Black Polypropylene Impact Copolymer (PP Impact Copolymer)

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Impact Modified; Molded/Extruded

### Material Notes:

Stat-Tech™ Electrically Conductive Compounds are specifically engineered to provide anti-static, ESD and RFI/EMI shielding performance for critical electronic equipment applications. These compounds combine the performance of select engineering resins with reinforcing additives such as carbon powder, carbon fiber, nickel-coated carbon fiber and stainless steel fiber, for low-to-high levels of conductivity depending upon application requirements. Information provided by PolyOne

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Stat-Tech-PP-CP1000-HF6-Black-Polypropylene-Impact-Copolymer-PP-Impact-Copolymer.php](http://www.lookpolymers.com/polymer_PolyOne-Stat-Tech-PP-CP1000-HF6-Black-Polypropylene-Impact-Copolymer-PP-Impact-Copolymer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.03 g/cc	1.03 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.016 cm/cm	0.016 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	26.2 MPa	3800 psi	Type I, 5.1 mm/min; ASTM D638
Elongation at Break	2.0 %	2.0 %	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	1.72 GPa	249 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	27.6 MPa	4000 psi	ASTM D790
Flexural Modulus	1.72 GPa	249 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	3.00 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Injection Molded; ASTM D256A

Electrical Properties	Metric	English	Comments
Volume Resistivity	100 ohm-cm	100 ohm-cm	ASTM D257
Surface Resistance	10000 ohm	10000 ohm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	204 - 238 °C	399 - 460 °F	
Mold Temperature	37.8 - 60.0 °C	100 - 140 °F	

Descriptive Properties	Value	Comments
Appearance	Black	
Features	Electrically Conductive	
	High Flow	
Forms	Pellets	
Generic Material	PP Impact Copolymer	
Generic Name	Polypropylene Impact Copolymer (PP Impact Copolymer)	
Processing Method	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Medical/Healthcare Applications	

## Contact Songhan Plastic Technology Co.,Ltd.

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