

PolyOne Stat-Tech™ ST5220-0004 CP4D EG 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-ST5220-0004-CP4D-EG-Black-Polypropylene-Impact-Copolymer-PP-Impact-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.948 g/cc	0.948 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.020 cm/cm	0.020 in/in	ASTM D955
Melt Flow	0.52 g/10 min	0.52 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	17.2 MPa	2490 psi	Type I, 5.1 mm/min; ASTM D638
Elongation at Break	38 %	38 %	Type I, 5.1 mm/min; ASTM D638
Tensile Modulus	1.07 GPa	155 ksi	Type I, 5.1 mm/min; ASTM D638
Flexural Strength	37.2 MPa	5400 psi	ASTM D790
Flexural Modulus	1.10 GPa	160 ksi	ASTM D790
Izod Impact, Notched	2.30 J/cm @Thickness 6.35 mm, Temperature 23.0 °C	4.31 ft-lb/in @Thickness 0.250 in, Temperature 73.4 °F	Injection Molded, Method A, 1200 mm Notch Depth; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.20e+6 ohm-cm	3.20e+6 ohm-cm	ASTM D257
Surface Resistance	760000 ohm	760000 ohm	ASTM D257

Descriptive Properties	Value	Comments
Appearance	Black	
Features	Electrically Conductive	

Descriptive Properties	High Flow Value	Comments
Forms	Pellets	
Generic Material	PP Impact Copolymer	
Generic Name	Polypropylene Impact Copolymer (PP Impact Copolymer)	
Processing Method	Extrusion	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Automotive Applications	
	Industrial Applications	
	Medical/Healthcare Applications	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China