Stat-Tech™ PP-CP1/000 HF6 Black

Polypropylene Impact Copolymer

PolyOne Corporation

Message:

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.

General Information			
Features	Electrically Conductive High Flow		
Uses	Medical/Healthcare Applications		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.03	g/cm³	ASTM D792
Molding Shrinkage - Flow	1.6	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus [1]	1720	MPa	ASTM D638
Tensile Strength [2] (Break)	26.2	MPa	ASTM D638
Tensile Elongation [3] (Break)	2.0	%	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Flexural Strength	27.6	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 6.35 mm, Injection Molded)	160	J/m	ASTM D256A
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+4	ohms	ASTM D257
Volume Resistivity	1.0E+2	ohms·cm	ASTM D257
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	204 to 238	°C	
Mold Temperature	37.8 to 60.0	°C	
NOTE			
1.	Type I, 5.1 mm/min		
2.	Type I, 5.1 mm/min		
3.	Type I, 5.1 mm/min		

Recommended distributors for this material

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