

Stat-Tech™ ST0120-0020 ESD FR Black

Thermoplastic Polyurethane Elastomer

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			
UL YellowCard	E76261-101455010		
Features	Conductive		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.46	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.80 to 1.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 15 sec	83		
Shore D, 15 sec	27		
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	10.3	MPa	ASTM D638
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+9	ohms	ASTM D257
Volume Resistivity	< 1.0E+9	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.59 mm, Internal Method	V-0		
3.18 mm, Internal Method	V-0		
NOTE			
1.	Type I, 5.1 mm/min		

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