

Stat-Tech™ PP-16CP/000-2HI BLACK

Polypropylene
PolyOne Corporation

Message:
Carbon powder filled electrically conductive PP compound

General Information			
UL YellowCard	E76261-102639663		
Filler / Reinforcement	Carbon Powder, 16% filler by weight		
Features	Conductivity		
	Antistatic property		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.80 - 1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.0	MPa	ASTM D638
Flexural Modulus	1600	MPa	ASTM D790
Flexural Strength	40.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.40 mm, Injection Molded)	500	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, annealed, 3.18mm	95.0	°C	ASTM D648
1.8 MPa, annealed, 3.18mm	50.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1000 - 100000	ohms/sq	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.5 mm	HB		UL 94
3.0 mm	HB		UL 94
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 - 220	°C	

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