

Electrafil® PP TM10 BK

Polypropylene

Techmer Engineered Solutions

Message:

Electrafil® PP TM10 BK is a Polypropylene product filled with 10% talc. It can be processed by injection molding and is available in North America.

Characteristics include:

Flame Rated

Conductive

General Information			
Filler / Reinforcement	Talc,10% Filler by Weight		
Features	Conductive		
UL File Number	E157318		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.0	%	ASTM D955
Water Absorption (24 hr)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	21.4	MPa	ASTM D638
Tensile Elongation (Break)	8.0	%	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Flexural Strength	34.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	24	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	65.6	°C	ASTM D648
CLTE - Flow	7.2E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+5	ohms	ASTM D257
Volume Resistivity	1.0E+2	ohms · cm	ASTM D257
Static Decay	< 2.0	sec	MIL B-81705C
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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