

Electrafil® PP TM10 BK

 Techmer Polymer Modifiers - *Polypropylene*
General Information
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Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Talc, 10% Filler by Weight
Features	• Conductive
UL File Number	• E157318
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.11		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.010	in/in	ASTM D955
Water Absorption (24 hr)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3100	psi	ASTM D638
Tensile Elongation (Break)	8.0	%	ASTM D638
Flexural Modulus	250000	psi	ASTM D790
Flexural Strength	5000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	0.45	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	150	°F	ASTM D648
CLTE - Flow	4.0E-5	in/in/°F	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

Notes
¹ Typical properties: these are not to be construed as specifications.
