

Electrafil® PA6 C BK

 Techmer Polymer Modifiers - *Polyamide 6*
General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Filler / Reinforcement	<ul style="list-style-type: none"> Filler
Features	<ul style="list-style-type: none"> Conductive
Appearance	<ul style="list-style-type: none"> Black
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.26		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.012	in/in	ASTM D955
Water Absorption (24 hr)	0.90	%	ASTM D570
Mechanical			
Tensile Strength (Yield)	11500	psi	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	630000	psi	ASTM D790
Flexural Strength	19000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	0.80	ft·lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	99		ASTM D785
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	385	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	260	°F	ASTM D648
Electrical			
Volume Resistivity	1.0E+2 to 1.0E+4	ohms·cm	ASTM D257

