

Electrafil® PA6 02012

 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
UL File Number	<ul style="list-style-type: none"> E157318
Appearance	<ul style="list-style-type: none"> Colors Available
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	1.25		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	1.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.010	in/in	ASTM D955
Mechanical			
Tensile Strength (Yield)	12000	psi	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	630000	psi	ASTM D790
Flexural Strength	18900	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	0.70	ft-lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	8.0	ft-lb/in	ASTM D4812
Hardness			
Rockwell Hardness (M-Scale)	89		ASTM D785
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	260	°F	ASTM D648
Electrical			
Surface Resistivity	1.0E+2 to 1.0E+3	ohms	ASTM D257
Volume Resistivity	1.0E+2 to 1.0E+4	ohms·cm	ASTM D257
Additional Information			
TPCI #	1038102		

