

Electrafil® PA6/6 02013

Techmer Polymer Modifiers - Polyamide 66

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Filler
Additive	• Impact Modifier
Features	• Conductive • Impact Modified
UL File Number	• E157318
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.23		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	1.1	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.010	in/in	ASTM D955
Mechanical			
Tensile Strength (Yield)	11000	psi	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	500000	psi	ASTM D790
Flexural Strength	16000	psi	ASTM D790
Impact			
Notched Izod Impact (0.125 in)	1.4	ft-lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	10	ft-lb/in	ASTM D4812
Hardness			
Rockwell Hardness (M-Scale)	89		ASTM D785
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	250	°F	ASTM D648
Electrical			
Surface Resistivity	1.0E+6 to 1.0E+9	ohms	ASTM D257
Volume Resistivity	1.0E+6 to 1.0E+9	ohms·cm	ASTM D257
Additional Information			
TPCI #	1039101		

