

Electrafil® PP FR BK

 Techmer Polymer Modifiers - *Polypropylene Homopolymer*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Features	• Flame Retardant • Homopolymer • Semi Conductive
UL File Number	• E157318
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.00		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	11	g/10 min	ASTM D1238
Mechanical			
Nominal Value Unit Test Method			
Tensile Strength (Yield)	4900	psi	ASTM D638
Tensile Elongation (Yield)	130	%	ASTM D638
Flexural Modulus	190000	psi	ASTM D790
Flexural Strength (Yield)	6100	psi	ASTM D790
Impact			
Nominal Value Unit Test Method			
Notched Izod Impact (0.125 in)	0.80	ft·lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	5.0	ft·lb/in	ASTM D4812
Hardness			
Nominal Value Unit Test Method			
Rockwell Hardness (R-Scale)	92		ASTM D785
Thermal			
Nominal Value Unit Test Method			
Deflection Temperature Under Load (66 psi, Unannealed)	220	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	188	°F	ASTM D648
CLTE - Flow	3.0E-5	in/in/°F	ASTM D696
Electrical			
Nominal Value Unit Test Method			
Surface Resistivity	1.0E+11	ohms	ASTM D257
Volume Resistivity	1.0E+12	ohms·cm	ASTM D257
Flammability			
Nominal Value Unit Test Method			
Flame Rating (0.12 in)	V-0		UL 94

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