

Electrafil® PC FR BK

 Techmer Polymer Modifiers - *Polycarbonate*
General Information

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.26		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	10200	psi	ASTM D638
Tensile Elongation (Yield)	5.0	%	ASTM D638
Flexural Modulus	400000	psi	ASTM D790
Flexural Strength	12500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	1.7	ft·lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	21	ft·lb/in	ASTM D4812
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	295	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	285	°F	ASTM D648
CLTE - Flow	3.2E-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.
