

Electrafil® TPX-PC-02071

 Techmer Polymer Modifiers - *Polycarbonate*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Stainless Steel Fiber
Features	• Electromagnetic Shielding (EMI) • Flame Retardant
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.35		ASTM D792
Molding Shrinkage - Flow (0.125 in)	5.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical			
Tensile Strength (Break)	11000	psi	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	550000	psi	ASTM D790
Flexural Strength	19500	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	1.5	ft·lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	26	ft·lb/in	ASTM D4812
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	285	°F	ASTM D648
Electrical			
Surface Resistivity	1.0E+4	ohms	ASTM D257
Volume Resistivity	1.0E+4	ohms·cm	ASTM D257
Shielding Effectiveness	50	dB	ASTM D4935
Static Decay	< 0.1	sec	FTMS 101B
Flammability			
Flame Rating (0.06 in)	V-0		UL 94

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