

Electrafil® J-1200/CF/10/VO/ND

Techmer Polymer Modifiers - *Acrylonitrile Butadiene Styrene*

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Carbon Fiber, 10% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.27		ASTM D792
Molding Shrinkage - Flow (0.125 in)	2.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 73°F)	12000	psi	ASTM D638
Flexural Modulus (73°F)	1.10E+6	psi	ASTM D790
Flexural Strength (Break, 73°F)	15800	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	0.60	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	215	°F	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.0E+2	ohms	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-0		UL 94
Additional Information			
Surface Resistivity, ASTM D4496: 1E2-1E3 ohms/sq			

