

Electrafil® J-1/CF/20/TF/15

Techmer Polymer Modifiers - *Polyamide 66*

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Filler / Reinforcement	• Carbon Fiber, 20% Filler by Weight
Additive	• PTFE Lubricant: 15%
Features	• Lubricated
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.31		ASTM D792
Molding Shrinkage - Flow (0.125 in)	2.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.60	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, 73°F)	27000	psi	ASTM D638
Flexural Modulus (73°F)	1.80E+6	psi	ASTM D790
Flexural Strength (Break, 73°F)	35000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	1.6	ft·lb/in	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.0E+2	ohms	ASTM D257
Additional Information			
Surface Resistivity, ASTM D257: 1E2-1E3 ohm/sq			

