

Electrafil® J-1/CF/40 NAT

Techmer Polymer Modifiers - *Polyamide 66*

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.33		ASTM D792
Molding Shrinkage - Flow (0.125 in)	1.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.60	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	40000	psi	ASTM D638
Tensile Elongation (Break)	1.8	%	ASTM D638
Flexural Modulus	3.40E+6	psi	ASTM D790
Flexural Strength	59000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.8	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	495	°F	ASTM D648
CLTE - Flow	8.0E-6	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	55	ohms	ASTM D257
Volume Resistivity	5.0	ohms·cm	ASTM D257

Additional Information

Surface Resistivity, Techmer Test Method: 10 to 100 ohm
 Volume Resistivity, Techmer Test Method: 1 to 10 ohm-cm
 Shielding @ 1GHz, ES7-83: 30 to 40 dB

