

Electrafil® J-80/CF/20 NAT

Techmer Polymer Modifiers - Acetal (POM) Copolymer

General

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

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.45		ASTM D792
Molding Shrinkage - Flow (0.125 in)	3.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.25	%	ASTM D570
Mechanical			
Tensile Modulus	1.65E+6	psi	ASTM D638
Tensile Strength	16000	psi	ASTM D638
Flexural Modulus	1.60E+6	psi	ASTM D790
Flexural Strength	22000	psi	ASTM D790
Impact			
Notched Izod Impact	0.70	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	330	°F	ASTM D648
Electrical			
Surface Resistivity	5.0	ohms	ASTM D257
Volume Resistivity	5.0	ohms·cm	ASTM D257

Additional Information

Surface Resistivity, Techmer Test Method: 1 to 10 ohm
Volume Resistivity, Techmer Test Method: 1 to 10 ohm-cm

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	200	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	350 to 425	°F
Middle Temperature	350 to 425	°F
Front Temperature	350 to 425	°F
Processing (Melt) Temp	380 to 415	°F
Mold Temperature	170 to 225	°F
Back Pressure	50.0 to 100	psi
Screw Speed	30 to 60	rpm

