

Electrafil® J-80/CF/20 NAT

Techmer Polymer Modifiers - Acetal (POM) Copolymer

General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> Africa & Middle East Asia Pacific Europe Latin America North America
RoHS Compliance	<ul style="list-style-type: none"> RoHS Compliant
Forms	<ul style="list-style-type: none"> Pellets

Properties ¹

Physical	Nominal Value	Unit	Test Method
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	Nominal Value	Unit	Test Method
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	Nominal Value	Unit	Test Method
Notched Izod Impact	0.70	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	330	°F	ASTM D648
Electrical	Nominal Value	Unit	Test Method
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

Injection	Nominal Value	Unit
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

