

Electrafil® J-80/CF/10/Natl

Acetal (POM) Copolymer
Techmer Engineered Solutions

Message:

Electrafil® J-80/CF/10/Natl is an Acetal (POM) Copolymer product filled with 10% carbon fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: rohs compliant.

General Information			
Filler / Reinforcement	Carbon Fiber,10% Filler by Weight		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40	%	ASTM D955
Water Absorption (24 hr)	0.26	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	72.4	MPa	ASTM D638
Tensile Elongation (Yield)	2.5	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength (Yield)	96.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	43	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	160	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	
Drying Time	2.0 to 3.0	hr	
Rear Temperature	177 to 218	°C	
Middle Temperature	177 to 218	°C	
Front Temperature	177 to 218	°C	
Processing (Melt) Temp	193 to 213	°C	
Mold Temperature	76.7 to 107	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	30 to 60	rpm	

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Recommended distributors for this material

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