

Electrafil® POM CO

Acetal (POM) Copolymer

Techmer Engineered Solutions

Message:

Electrafil® POM CO is a polyoxymethylene (POM) copolymer product that contains fillers. It can be processed by injection molding and is available in North America. The main characteristics are: conductivity.

General Information			
Filler / Reinforcement	Filler		
Features	Conductivity		
Appearance	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	62.1	MPa	ASTM D638
Tensile Elongation (Yield)	4.0	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	99.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	149	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+3 - 1.0E+6	ohms · cm	ASTM D257
Additional Information	Nominal Value		
TPCI #	9962114		
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	1.0 - 2.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	177 - 188	°C	
Middle Temperature	188 - 199	°C	
Front Temperature	182 - 193	°C	
Nozzle Temperature	177 - 188	°C	
Processing (Melt) Temp	188 - 204	°C	
Mold Temperature	76.7 - 93.3	°C	
Injection Rate	Moderate-Fast		

Back Pressure	0.345 - 0.689	MPa
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Injection instructions

Screw Speed: MediumRecommendations for Molding and Tool Conditions: Well ventedMoisture Content, as received: Product is packaged at 0.2% or less.Drying not normally required. Dry at 180°F for 1 to 2 hours if necessary.

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