

**Electrafil® POM CO**

Techmer Polymer Modifiers - Acetal (POM) Copolymer

**General Information**
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Material Status	<ul style="list-style-type: none"> <li>Commercial: Active</li> </ul>
Availability	<ul style="list-style-type: none"> <li>North America</li> </ul>
Filler / Reinforcement	<ul style="list-style-type: none"> <li>Filler</li> </ul>
Features	<ul style="list-style-type: none"> <li>Conductive</li> </ul>
Appearance	<ul style="list-style-type: none"> <li>Colors Available</li> </ul>
Forms	<ul style="list-style-type: none"> <li>Pellets</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>

**Properties <sup>1</sup>**

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.44		ASTM D792
Molding Shrinkage - Flow (0.125 in)	5.0E-3	in/in	ASTM D955
<b>Mechanical</b>			
Tensile Strength (Yield)	9000	psi	ASTM D638
Tensile Elongation (Yield)	4.0	%	ASTM D638
Flexural Modulus	1.00E+6	psi	ASTM D790
Flexural Strength	14400	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F, 0.125 in)	1.0	ft·lb/in	ASTM D256
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	300	°F	ASTM D648
<b>Electrical</b>			
Volume Resistivity	1.0E+3 to 1.0E+6	ohms·cm	ASTM D257
<b>Additional Information</b>			
TPCI #	9962114		

**Processing Information**

	Nominal Value	Unit
<b>Injection</b>		
Drying Temperature	180	°F
Drying Time	1.0 to 2.0	hr
Suggested Max Moisture	0.20	%
Rear Temperature	350 to 370	°F
Middle Temperature	370 to 390	°F
Front Temperature	360 to 380	°F
Nozzle Temperature	350 to 370	°F
Processing (Melt) Temp	370 to 400	°F
Mold Temperature	170 to 200	°F
Injection Rate	Moderate-Fast	
Back Pressure	50.0 to 100	psi

**Injection Notes**

Screw Speed: Medium  
 Recommendations for Molding and Tool Conditions: Well vented  
 Moisture 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.

