

Electrafil® POM CO AS

Acetal (POM) Copolymer

Techmer Engineered Solutions

Message:

Electrafil® POM CO AS is a polyoxymethylene (POM) copolymer product. It can be processed by injection molding and is available in North America.

Features include:

flame retardant/rated flame

Conductivity

Antistatic

General Information			
Additive	Antistatic property		
Features	Conductivity		
	Antistatic property		
Appearance	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.8	%	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	55.2	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	1380	MPa	ASTM D790
Flexural Strength	75.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	64	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	98.9	°C	ASTM D648
CLTE - Flow	7.2E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+6 - 1.0E+8	ohms	ASTM D257
Volume Resistivity	1.0E+7 - 1.0E+9	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
Additional Information	Nominal Value		
TPCI #	6000114		

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

Injection instructions

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.

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT