

Plaslube® POM CO UV

Acetal (POM) Copolymer
Techmer Engineered Solutions

Message:

Plaslube®POM CO UV 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
Copolymer
UV stability

General Information			
Additive	UV stabilizer		
Features	Copolymer		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.39	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.6	%	ASTM D955
Water Absorption (24 hr)	1.1	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	58.6	MPa	ASTM D638
Tensile Elongation (Yield)	30	%	ASTM D638
Flexural Modulus	276	MPa	ASTM D790
Flexural Strength	81.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	169	°C	ASTM D648
1.8 MPa, not annealed	108	°C	ASTM D648
CLTE - Flow	2.2E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257
Dielectric Strength ¹	18	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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: 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.		
NOTE		

1.
- Method A (short time)

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