

Plaslube® POM CO GF10 SL2

Acetal (POM) Copolymer

Techmer Engineered Solutions

Message:

Plaslube® POM CO GF10 SL2 is an Acetal (POM) Copolymer product filled with glass fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

Flame Rated

Lubricated

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Silicone Lubricant		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 3.18 mm	1.2	%	
Across Flow	1.8	%	
Water Absorption (24 hr)	0.25	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	84		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	55.8	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	3650	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			ASTM D648
0.45 MPa, Unannealed	163	°C	
1.8 MPa, Unannealed	143	°C	
Melting Temperature	165	°C	ASTM D785
CLTE - Flow	3.8E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Dielectric Strength	20	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94

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Recommended distributors for this material

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