

# Plaslube® POM HO GF13 TL10 UV

Acetal (POM) Homopolymer  
Techmer Engineered Solutions

Message:

Plaslube® POM HO GF13 TL10 UV is an Acetal (POM) Homopolymer product filled with glass fiber. It can be processed by injection molding and is available in North America.

Characteristics include:

- Flame Rated
- Good UV Resistance
- Homopolymer
- Lubricated
- UV Stabilized

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	PTFE Lubricant		
	UV Stabilizer		
Features	Good UV Resistance		
	Homopolymer		
	Lubricated		
Appearance	Colors Available		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.80	%	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	95.1	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	5720	MPa	ASTM D790
Flexural Strength	143	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	168	°C	
1.8 MPa, Unannealed	160	°C	
CLTE - Flow	5.0E-5	cm/cm/°C	ASTM D696

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Dielectric Strength <sup>1</sup>	18	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.57 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	
Drying Time	2.0 to 3.0	hr	
Rear Temperature	193 to 218	°C	
Middle Temperature	193 to 218	°C	
Front Temperature	193 to 218	°C	
Processing (Melt) Temp	193 to 227	°C	
Mold Temperature	82.2 to 104	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	30 to 60	rpm	
NOTE			

1. Method A (Short-Time)

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#### Recommended distributors for this material

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