

## LATI LATILUB 73/13-10ST Polyoxymethylene Base (POM), 10% Mixed PTFE/Silicone Self Lubricating Plastic (Un

Category : Polymer , Thermoplastic , Acetal (POM)

### Material Notes:

Description: Latilub self-lubricating plastic materials are more and more often designed to replace metals in applications such as gears, bushings, cams, slides, etc), for which, besides their intrinsic properties (moldability, low cost, lightness, high mechanical properties), low friction coefficient and low wear are required. Specific Notes for this Material: polyoxymethylene base (POM); 10% mixed PTFE/Silicone; good wear resistance. Disclaimer from LATI: This document contains information based on average values as obtained from the results of laboratory tests and observations made on LATI materials. Tested materials were injection molded, used in their natural color, and conditioned in compliance with Standard ASTM D 618, procedure A. These values refer to LATI's best technical and scientific knowledge at the moment of testing and cannot be used as a basis for the development of applications. For a better assessment of the materials, you are kindly requested to contact LATI's technical or commercial offices, which are at your disposal and will supply detailed information on the most suitable characteristics for their intended use. With reference to DPR n.224 dated May 24, 1988, issued in accordance with EC Guidelines 85/374, LATI Industria Termoplastici S.p.A. declines all responsibility arising from an improper use of the products described in this document. All data provided by LATI.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LATI-LATILUB-7313-10ST-Polyoxymethylene-Base-POM-10-Mixed-PTFESilicone-Self-Lubricating-Plastic-nbspUn.php](http://www.lookpolymers.com/polymer_LATI-LATILUB-7313-10ST-Polyoxymethylene-Base-POM-10-Mixed-PTFESilicone-Self-Lubricating-Plastic-nbspUn.php)

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage	0.020 cm/cm	0.020 in/in	LATI
Linear Mold Shrinkage, Transverse	0.020 cm/cm	0.020 in/in	LATI

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	46.0 MPa	6670 psi	ISO 527
Flexural Modulus	2.30 GPa	334 ksi	ASTM D790
Izod Impact, Notched	0.450 J/cm @Temperature 23.0 °C	0.843 ft-lb/in @Temperature 73.4 °F	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 µm/m-°C @Temperature 20.0 °C	44.4 µin/in-°F @Temperature 68.0 °F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	155 °C	311 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	100 °C	212 °F	ASTM D648

Thermal Properties	Metric	English	Comments
Vicat Softening Point	145 °C	293 °F	50°C/6.50N; ISO 305
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	>= 600 V	>= 600 V	IEC 112

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 200 °C	356 - 392 °F	
Mold Temperature	70.0 - 90.0 °C	158 - 194 °F	
Drying Temperature	80.0 - 100 °C	176 - 212 °F	Temperature can be reduced when using vacuum ovens.
Dry Time	>= 3 hour	>= 3 hour	Drying time can be reduced when using vacuum ovens.

Descriptive Properties	Value	Comments
Heat Resistance - Ball Test (125°C)	Y	IEC 335
Heat Resistance - Ball Test (165°C)	N	IEC 335
Injection Speed	medium	
Needle Burner Test	Y	1.47 mm
	Y	3.05 mm

## Contact Songhan Plastic Technology Co.,Ltd.

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