

## LATI LATILUB 95-25GR CE/10 Polysulfone Base (PSU), 25% Graphite, 10% Special Mineral Filled Self Lubricating Plastic

Category : Polymer , Thermoplastic , Polyarylsulfone (PAS) , Polyarylsulfone; Molded/Extruded , Polysulfone (PSU)

### 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: polysulfone base (PSU); 25% graphite; good wear resistance even at high temperature; 10% special mineral fillers; excellent dimensional stability; resistant to hot water. 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 Guide-lines 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-95-25GR-CE10-Polysulfone-Base-PSU-25-Graphite-10-Special-Mineral-Filled-Self-Lubricating-Plastic.php](http://www.lookpolymers.com/polymer_LATI-LATILUB-95-25GR-CE10-Polysulfone-Base-PSU-25-Graphite-10-Special-Mineral-Filled-Self-Lubricating-Plastic.php)

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.20 %	0.20 %	at 23°C; ISO 62
Linear Mold Shrinkage	0.0025 cm/cm	0.0025 in/in	LATI
Linear Mold Shrinkage, Transverse	0.0025 cm/cm	0.0025 in/in	LATI

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	60.0 MPa	8700 psi	ISO 527
Flexural Modulus	7.70 GPa	1120 ksi	ASTM D790
Izod Impact, Notched	0.300 J/cm @Temperature 23.0 °C	0.562 ft-lb/in @Temperature 73.4 °F	ASTM D256
Charpy Impact Unnotched	0.800 J/cm <sup>2</sup> @Temperature 23.0 °C	3.81 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	DIN 53453

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	177 °C	351 °F	ASTM D648

Thermal Properties (Stress at 1.8 MPa (264 psi))	Metric	English	Comments
Vicat Softening Point	180 °C	356 °F	50°C/h 50N; ISO 306
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Processing Properties	Metric	English	Comments
Melt Temperature	300 - 330 °C	572 - 626 °F	
Mold Temperature	100 - 120 °C	212 - 248 °F	
Drying Temperature	120 - 130 °C	248 - 266 °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)	Y	IEC 335
Injection Speed	high	
Needle Burner Test	Y	1.47 mm
	Y	3.05 mm

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China