

LATI Lasulf PSU

Category : Polymer , Thermoplastic , Polysulfone (PSU)

Material Notes:

Polysulfone (PSU). Unfilled. Low smoke density and low toxicity index. Very high dimensional stability. Availability: Africa & Middle East; Asia Pacific; Europe; Latin America; North America Information provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LATI-Lasulf-PSU.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	
Linear Mold Shrinkage, Flow	0.0060 - 0.0090 cm/cm	0.0060 - 0.0090 in/in	
Linear Mold Shrinkage, Transverse	0.0065 - 0.0095 cm/cm	0.0065 - 0.0095 in/in	

Mechanical Properties	Metric	English	Comments
Elongation at Break	>= 100 %	>= 100 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Elongation at Yield	2.8 %	2.8 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	3.5 %	3.5 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	4.0 %	4.0 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	4.5 %	4.5 %	

Mechanical Properties	Metric	English	Comments
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	5.5 %	5.5 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Tensile Modulus	1.90 GPa	276 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	2.00 GPa	290 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	2.20 GPa	319 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	2.30 GPa	334 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	2.50 GPa	363 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	NB	NB	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	NB	NB	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
Charpy Impact, Notched	0.150 J/cmÂ²	0.714 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	0.500 J/cmÂ²	2.38 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	150 Â°C	302 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	180 Â°C	356 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	165 Â°C	329 Â°F	

Thermal Properties <small>Vicat Softening Point</small>	175 Å°C Metric	347 Å°F English	Comments
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-1	V-1	
	@Thickness 3.00 mm	@Thickness 0.118 in	
Oxygen Index	30 %	30 %	
Glow Wire Test	960 Å°C	1760 Å°F	GWFI/GWT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	960 Å°C	1760 Å°F	GWFI/GWT
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	150 V	150 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	290 - 320 Å°C	554 - 608 Å°F	
Mold Temperature	110 - 130 Å°C	230 - 266 Å°F	
Drying Temperature	110 - 130 Å°C	230 - 266 Å°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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