

## LATI Laril 13 G/30-V1 PPOM, 30% Glass Fiber Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, 30% Glass Filled

### Material Notes:

Modified Polyphenylene Oxide (PPOM) based compound. Glass fibers. UL94 V-1 classified, with brominated flame retardants, PBB/PBDE and antimony trioxide free. High dimensional stability. Good thermal properties. 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-Laril-13-G30-V1-PPOM-30-Glass-Fiber-Reinforced-Flame-Retardant.php](http://www.lookpolymers.com/polymer_LATI-Laril-13-G30-V1-PPOM-30-Glass-Fiber-Reinforced-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0035 - 0.0060 cm/cm	0.0035 - 0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0045 - 0.0065 cm/cm	0.0045 - 0.0065 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	65.0 MPa	9430 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	80.0 MPa	11600 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	95.0 MPa	13800 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	1.5 %	1.5 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	1.5 %	1.5 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	1.8 %	1.8 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	2.5 %	2.5 %	

Mechanical Properties	Metric	English	Comments
Elongation at Yield	1.0 %	1.0 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
Tensile Modulus	4.50 GPa	653 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	6.60 GPa	957 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	7.80 GPa	1130 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	8.60 GPa	1250 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	1.80 J/cmÂ²	8.57 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	2.00 J/cmÂ²	9.52 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
Charpy Impact, Notched	0.600 J/cmÂ²	2.86 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	0.700 J/cmÂ²	3.33 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	115 Â°C	239 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	130 Â°C	266 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	125 Â°C	257 Â°F	
Vicat Softening Point	135 Â°C	275 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-1	V-1	

Thermal Properties	Metric @ Thickness 1.50 mm	English @ Thickness 0.0591 in	Comments
Oxygen Index	31 %	31 %	
Glow Wire Test	960 Â°C @Thickness 1.00 mm	1760 Â°F @Thickness 0.0394 in	GWFI/GWT
	960 Â°C @Thickness 2.00 mm	1760 Â°F @Thickness 0.0787 in	GWFI/GWT

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	225 V	225 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 280 Â°C	518 - 536 Â°F	
Mold Temperature	80.0 - 90.0 Â°C	176 - 194 Â°F	
Drying Temperature	80.0 - 90.0 Â°C @Time 10800 sec	176 - 194 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

## Contact Songhan Plastic Technology Co.,Ltd.

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