

LATI Laril 13 G/10-V1 PP0m, 10% Glass Fiber Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, 10% Glass Filled

Material Notes:

Modified Polyphenylene Oxide (PP0m) based compound. Glass fibers. UL94 V-1 classified, with brominated flame retardants, PBB/PBDE and antimony trioxide free. Very 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-G10-V1-PP0m-10-Glass-Fiber-Reinforced-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	
Linear Mold Shrinkage, Flow	0.0045 - 0.0070 cm/cm	0.0045 - 0.0070 in/in	
Linear Mold Shrinkage, Transverse	0.0055 - 0.0075 cm/cm	0.0055 - 0.0075 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	15.0 MPa	2180 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	35.0 MPa	5080 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	60.0 MPa	8700 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	65.0 MPa	9430 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	3.5 %	3.5 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	3.5 %	3.5 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	3.8 %	3.8 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	4.5 %	4.5 %	

Mechanical Properties	Metric	English	Comments
Elongation at Yield	2.0 %	2.0 %	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	2.0 %	2.0 %	
	@Temperature 120 Å°C	@Temperature 248 Å°F	
Tensile Modulus	2.40 GPa	348 ksi	
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	2.80 GPa	406 ksi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	3.40 GPa	493 ksi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	4.00 GPa	580 ksi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact Unnotched	2.50 J/cmÅ²	11.9 ft-lb/inÅ²	
Charpy Impact, Notched	1.00 J/cmÅ²	4.76 ft-lb/inÅ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	110 Å°C	230 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	130 Å°C	266 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	120 Å°C	248 Å°F	
Vicat Softening Point	130 Å°C	266 Å°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-1	V-1	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
Oxygen Index	28 %	28 %	
Glow Wire Test	960 Å°C	1760 Å°F	GWFI/GWT
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	250 V	250 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 280 Â°C	500 - 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.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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