

## LATI Laril 13-V1KC PPOm, Mineral Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , Polyphenylene Ether/PPO , Polyphenylene Ether, Mineral Filled

### Material Notes:

Modified Polyphenylene Oxide (PPOm) based compound. Mineral filler. 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-V1KC-PPOm-Mineral-Reinforced-Flame-Retardant.php](http://www.lookpolymers.com/polymer_LATI-Laril-13-V1KC-PPOm-Mineral-Reinforced-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0040 - 0.0065 cm/cm	0.0040 - 0.0065 in/in	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	40.0 MPa	5800 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	55.0 MPa	7980 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
Elongation at Break	65.0 MPa	9430 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	2.0 %	2.0 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	2.0 %	2.0 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	2.2 %	2.2 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	2.5 %	2.5 %	

Mechanical Properties	Metric	English	Comments
Elongation at Yield	1.5 %	1.5 %	
	@Temperature 120 Å°C	@Temperature 248 Å°F	
Tensile Modulus	3.20 GPa	464 ksi	
	@Temperature 120 Å°C	@Temperature 248 Å°F	
	3.60 GPa	522 ksi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	4.30 GPa	624 ksi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	5.00 GPa	725 ksi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact Unnotched	1.50 J/cmÅ²	7.14 ft-lb/inÅ²	
Charpy Impact, Notched	0.500 J/cmÅ²	2.38 ft-lb/inÅ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 Å°C	221 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	140 Å°C	284 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	135 Å°C	275 Å°F	
Vicat Softening Point	145 Å°C	293 Å°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-1	V-1	
	@Thickness 3.00 mm	@Thickness 0.118 in	
	V-1	V-1	
	@Thickness 1.50 mm	@Thickness 0.0591 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

Thermal Properties	@Thickness 2.00 mm Metric	@Thickness 0.0787 in English	Comments
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	70.0 - 90.0 Â°C @Time 10800 sec	158 - 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](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