

LATI Lapex R G/10 PPSU, 10% Glass Reinforced

Category : Polymer , Thermoplastic , Polyphenylsulfone (PPSU)

Material Notes:

Polyphenylene Sulfone (PPSU) based compound. Glass fibers. 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-Lapex-R-G10-PPSU-10-Glass-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	
Linear Mold Shrinkage, Flow	0.0045 - 0.0060 cm/cm	0.0045 - 0.0060 in/in	
Linear Mold Shrinkage, Transverse	0.0085 - 0.010 cm/cm	0.0085 - 0.010 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	70.0 MPa	10200 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	80.0 MPa	11600 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	90.0 MPa	13100 psi	
@Temperature 90.0 Â°C	@Temperature 194 Â°F		
100 MPa	14500 psi		
@Temperature 60.0 Â°C	@Temperature 140 Â°F		
105 MPa	15200 psi		
@Temperature 23.0 Â°C	@Temperature 73.4 Â°F		
Elongation at Break	2.3 %	2.3 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	2.5 %	2.5 %	
@Temperature 120 Â°C	@Temperature 248 Â°F		
2.6 %	2.6 %		
@Temperature 60.0 Â°C	@Temperature 140 Â°F		

Mechanical Properties	Metric	English	Comments
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	2.8 %	2.8 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Tensile Modulus	3.40 GPa	493 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	3.55 GPa	515 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	3.70 GPa	537 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	3.85 GPa	558 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	4.00 GPa	580 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	2.00 J/cmÂ²	9.52 ft-lb/inÂ²	
Charpy Impact, Notched	1.00 J/cmÂ²	4.76 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	190 Â°C	374 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	220 Â°C	428 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	210 Â°C	410 Â°F	
Vicat Softening Point	220 Â°C	428 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	
	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
Oxygen Index	38 %	38 %	

Thermal Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Melt Temperature	350 - 390 Å°C	662 - 734 Å°F	
Mold Temperature	150 - 190 Å°C	302 - 374 Å°F	
Drying Temperature	140 - 180 Å°C @Time 10800 sec	284 - 356 Å°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