

LATI Later 4 G/30-V0CT2 PBT, 30% Glass Fiber Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

Material Notes:

Polybutylene Terephthalate (PBT) based compound. Glass fibers. UL94 V-0 classified, with brominated flame retardants, PBB/PBDE free.

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-Later-4-G30-V0CT2-PBT-30-Glass-Fiber-Reinforced-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in ³	
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	
Linear Mold Shrinkage, Transverse	0.0090 - 0.012 cm/cm	0.0090 - 0.012 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	15.0 MPa	2180 psi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	20.0 MPa	2900 psi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	30.0 MPa	4350 psi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	55.0 MPa	7980 psi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	85.0 MPa	12300 psi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Elongation at Break	2.3 %	2.3 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	2.6 %	2.6 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	2.6 %	2.6 %	

Mechanical Properties	Metric	English	Comments
	2.7 %	2.7 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	2.8 %	2.8 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Tensile Modulus	1.80 GPa	261 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	2.50 GPa	363 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	3.40 GPa	493 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	5.40 GPa	783 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	7.80 GPa	1130 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	3.00 J/cmÂ²	14.3 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	3.50 J/cmÂ²	16.7 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
Charpy Impact, Notched	0.650 J/cmÂ²	3.09 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	0.850 J/cmÂ²	4.04 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	135 Â°C	275 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	215 Â°C	419 Â°F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	170 Â°C @Load 5.00 kg	338 Â°F @Load 11.0 lb	
Flammability, UL94	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 in	
	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	
	V-0 @Thickness 0.750 mm	V-0 @Thickness 0.0295 in	
Oxygen Index	28 %	28 %	
Glow Wire Test	750 Â°C @Thickness 1.00 mm	1380 Â°F @Thickness 0.0394 in	GWIT
	750 Â°C @Thickness 2.00 mm	1380 Â°F @Thickness 0.0787 in	GWIT
	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	400 V	400 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 250 Â°C	446 - 482 Â°F	
Mold Temperature	70.0 - 90.0 Â°C	158 - 194 Â°F	
Drying Temperature	110 - 130 Â°C @Time 10800 sec	230 - 266 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