

LATI Laticonther 62 CEG/500-V0HF1 PA 6, Glass/Mineral Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Glass/Mineral Reinforced

Material Notes:

High thermal conductivity product based on Polyamide 6 (PA6). Glass fibers / Mineral filler. UL94 V-0 classified, halogens-based flame retardants and red phosphorous 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-Laticonther-62-CEG500-V0HF1-PA-6-GlassMineral-Reinforced-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.75 g/cc	0.0632 lb/in ³	
Linear Mold Shrinkage, Flow	0.0030 - 0.0045 cm/cm	0.0030 - 0.0045 in/in	
Linear Mold Shrinkage, Transverse	0.0050 - 0.0065 cm/cm	0.0050 - 0.0065 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	
	@Temperature 150 °C	@Temperature 302 °F	
	45.0 MPa	6530 psi	
	@Temperature 120 °C	@Temperature 248 °F	
	55.0 MPa	7980 psi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	65.0 MPa	9430 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	85.0 MPa	12300 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	1.5 %	1.5 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	1.8 %	1.8 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	2.0 %	2.0 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
	2.5 %	2.5 %	

Mechanical Properties	Metric	English	Comments
	2.5 % @Temperature 120 °C	2.5 % @Temperature 248 °F	
	@Temperature 150 °C	@Temperature 302 °F	
Tensile Modulus	2.80 GPa @Temperature 150 °C	406 ksi @Temperature 302 °F	
	3.50 GPa @Temperature 120 °C	508 ksi @Temperature 248 °F	
	4.70 GPa @Temperature 90.0 °C	682 ksi @Temperature 194 °F	
	6.50 GPa @Temperature 60.0 °C	943 ksi @Temperature 140 °F	
	10.5 GPa @Temperature 23.0 °C	1520 ksi @Temperature 73.4 °F	
Charpy Impact Unnotched	1.50 J/cm ² @Temperature 23.0 °C	7.14 ft-lb/in ² @Temperature 73.4 °F	
	1.50 J/cm ² @Temperature -20.0 °C	7.14 ft-lb/in ² @Temperature -4.00 °F	
Charpy Impact, Notched	0.350 J/cm ² @Temperature 23.0 °C	1.67 ft-lb/in ² @Temperature 73.4 °F	
	0.350 J/cm ² @Temperature -20.0 °C	1.67 ft-lb/in ² @Temperature -4.00 °F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.10 W/m-K	7.63 BTU-in/hr-ft ² -°F	Longitudinal
Maximum Service Temperature, Air	135 °C	275 °F	
Deflection Temperature at 0.46 MPa (66 psi)	215 °C	419 °F	
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	
Vicat Softening Point	210 °C	410 °F	
	@Load 5.00 kg	@Load 11.0 lb	
	V-1	V-1	

Flammability UL 94 Thermal Properties	Metric	English	Comments
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	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	42 %	42 %	
Glow Wire Test	775 °C	1430 °F	GWIT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	960 °C	1760 °F	GWFI/GWT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	960 °C	1760 °F	GWFI/GWT
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+10 ohm	1.00e+10 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	250 - 270 °C	482 - 518 °F	
Mold Temperature	80.0 - 100 °C	176 - 212 °F	
Drying Temperature	90.0 - 100 °C	194 - 212 °F	
	@Time 10800 sec	@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