

LATI Latiohm 62-09 PD01 G/20-V2HF PA6, 20% Glass Fiber Reinforced, Flame Retardant

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Glass Fiber Filled, Flame Retardant

Material Notes:

Semiconductive/dissipative product based on Polyamide 6 (PA6). Glass fibers. UL94 V-2 classified, halogens-based flame retardants and red phosphorous free. Very good mechanical 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-Latiohm-62-09-PD01-G20-V2HF-PA6-20-Glass-Fiber-Reinforced-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in ³	
Linear Mold Shrinkage, Flow	0.0030 - 0.0055 cm/cm	0.0030 - 0.0055 in/in	
Linear Mold Shrinkage, Transverse	0.0060 - 0.0090 cm/cm	0.0060 - 0.0090 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	105 MPa	15200 psi	
Elongation at Break	2.3 %	2.3 %	
Tensile Modulus	10.5 GPa	1520 ksi	
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	
Charpy Impact, Notched	0.400 J/cm ²	1.90 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	215 Â°C	419 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	195 Â°C	383 Â°F	
Vicat Softening Point	210 Â°C @Load 5.00 kg	410 Â°F @Load 11.0 lb	
Flammability, UL94	V-2 @Thickness 3.00 mm	V-2 @Thickness 0.118 in	
	V-2 @Thickness 1.50 mm	V-2 @Thickness 0.0591 in	
	V-2	V-2	

Thermal Properties	Metric @ Thickness 0.750 mm	English @ Thickness 0.0295 in	Comments
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Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+8 ohm	1.00e+8 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 250 Â°C	446 - 482 Â°F	
Mold Temperature	70.0 - 100 Â°C	158 - 212 Â°F	
Drying Temperature	90.0 - 100 Â°C @Time 10800 sec	194 - 212 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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