

LATI Latilub 75/4-05T G/30-V0 PBT, 30% Glass Fiber Reinforced, PTFE Filled, Flame Retardant

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass Fiber + PTFE Filled , Polybutylene Terephthalate (PBT), Glass Fiber Filled, Flame Retardant

Material Notes:

Self-lubricating product based on Polybutylene Terephthalate (PBT). PTFE. Glass fibers. UL94 V-0 classified, with brominated flame retardants, PBB/PBDE and antimony trioxide 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-Latilub-754-05T-G30-V0-PBT-30-Glass-Fiber-Reinforced-PTFE-Filled-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.64 g/cc	0.0592 lb/in ³	
Linear Mold Shrinkage, Flow	0.0040 - 0.0065 cm/cm	0.0040 - 0.0065 in/in	
Linear Mold Shrinkage, Transverse	0.011 - 0.014 cm/cm	0.011 - 0.014 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	110 MPa	16000 psi	
Elongation at Break	2.8 %	2.8 %	
Tensile Modulus	9.70 GPa	1410 ksi	
Charpy Impact Unnotched	4.00 J/cm ²	19.0 ft-lb/in ²	
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.18	0.18	
Coefficient of Friction, Static	0.22	0.22	
K (wear) Factor	22.0 x 10 ⁻⁸ mm ³ /N-M	10.9 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	
Deflection Temperature at 1.8 MPa (264 psi)	200 °C	392 °F	
Vicat Softening Point	205 °C @Load 5.00 kg	401 °F @Load 11.0 lb	
	V-0	V-0	

Flammability UL 94 Thermal Properties	Metric	English	Comments
	@Thickness 3.00 mm	@Thickness 0.118 in	
	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-0	V-0	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
Oxygen Index	28 %	28 %	
Glow Wire Test	725 °C	1340 °F	GWIT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	725 °C	1340 °F	GWIT
	@Thickness 2.00 mm	@Thickness 0.0787 in	
	960 °C	1760 °F	GWFI/GWT
	@Thickness 1.00 mm	@Thickness 0.0394 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	250 V	250 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	240 - 250 °C	464 - 482 °F	
Mold Temperature	70.0 - 90.0 °C	158 - 194 °F	
Drying Temperature	100 - 120 °C	212 - 248 °F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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