

LATI Latilub 87/28-20T PC, PTFE Filled

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, PTFE Filled

Material Notes:

Self-lubricating product based on Polycarbonate (PC). PTFE. Information provided by Lati Industria Termoplastici S.p.A.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LATI-Latilub-8728-20T-PC-PTFE-Filled.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	
Linear Mold Shrinkage, Flow	0.0055 - 0.0075 cm/cm	0.0055 - 0.0075 in/in	
Linear Mold Shrinkage, Transverse	0.0060 - 0.0075 cm/cm	0.0060 - 0.0075 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	55.0 MPa	7980 psi	
Elongation at Break	8.0 %	8.0 %	
Elongation at Yield	3.0 %	3.0 %	
Tensile Modulus	2.20 GPa	319 ksi	
Charpy Impact Unnotched	5.00 J/cm ²	23.8 ft-lb/in ²	
Charpy Impact, Notched	1.20 J/cm ²	5.71 ft-lb/in ²	
Coefficient of Friction, Dynamic	0.14	0.14	
Coefficient of Friction, Static	0.18	0.18	
K (wear) Factor	3.50 x 10 ⁻⁸ mm ³ /N-M	1.74 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	140 Â°C	284 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	130 Â°C	266 Â°F	
Vicat Softening Point	145 Â°C @Load 5.00 kg	293 Â°F @Load 11.0 lb	
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Thermal Properties	^{V-1} Metric	^{V-1} English	Comments
	@Thickness 3.00 mm	@Thickness 0.118 in	

Processing Properties	Metric	English	Comments
Melt Temperature	265 - 300 Â°C	509 - 572 Â°F	
Mold Temperature	80.0 - 100 Â°C	176 - 212 Â°F	
Drying Temperature	110 - 130 Â°C	230 - 266 Â°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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