

LATI Latan 13 S/30 POM, 30% Glass Bead Reinforced

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Glass Bead Filled

Material Notes:

Polyoxymethylene (POM) based compound. Glass beads. Medium viscosity. High dimensional stability. 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-Latan-13-S30-POM-30-Glass-Bead-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	
Linear Mold Shrinkage, Flow	0.017 - 0.020 cm/cm	0.017 - 0.020 in/in	
Linear Mold Shrinkage, Transverse	0.017 - 0.0195 cm/cm	0.017 - 0.0195 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	25.0 MPa	3630 psi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	35.0 MPa	5080 psi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Elongation at Break	20 %	20 %	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	65 %	65 %	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	>= 100 %	>= 100 %	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
Elongation at Yield	5.5 %	5.5 %	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	6.0 %	6.0 %	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	6.5 %	6.5 %	

Mechanical Properties	Metric	English	Comments
Tensile Modulus	1.30 GPa	189 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	2.30 GPa	334 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	3.60 GPa	522 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	3.50 J/cmÂ²	16.7 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	3.80 J/cmÂ²	18.1 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	0.150 J/cmÂ²	0.714 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact, Notched	0.200 J/cmÂ²	0.952 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	80.0 Â°C	176 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	160 Â°C	320 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	115 Â°C	239 Â°F	
Vicat Softening Point	150 Â°C	302 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 210 Â°C	356 - 410 Â°F	
Mold Temperature	80.0 - 100 Â°C	176 - 212 Â°F	
Drying Temperature	80.0 - 90.0 Â°C	176 - 194 Â°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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