

## LATI Latan 13 S/20 POM, 20% 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-S20-POM-20-Glass-Bead-Reinforced.php](http://www.lookpolymers.com/polymer_LATI-Latan-13-S20-POM-20-Glass-Bead-Reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.53 g/cc	0.0553 lb/in <sup>3</sup>	
Linear Mold Shrinkage, Flow	0.0185 - 0.0215 cm/cm	0.0185 - 0.0215 in/in	
Linear Mold Shrinkage, Transverse	0.0185 - 0.021 cm/cm	0.0185 - 0.021 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 MPa	4350 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	45.0 MPa	6530 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	15 %	15 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	70 %	70 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	>= 100 %	>= 100 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
Elongation at Yield	8.0 %	8.0 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	8.0 %	8.0 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	8.0 %	8.0 %	

Mechanical Properties	Metric	English	Comments
Tensile Modulus	1.20 GPa	174 ksi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	2.00 GPa	290 ksi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	3.10 GPa	450 ksi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact Unnotched	4.00 J/cmÅ²	19.0 ft-lb/inÅ²	
Charpy Impact, Notched	0.200 J/cmÅ²	0.952 ft-lb/inÅ²	

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

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

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

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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