

LATI Latan 3E71 POM

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Unreinforced

Material Notes:

Polyoxymethylene (POM). Toughened. High viscosity. Good elongation and impact resistance 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-3E71-POM.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	
Linear Mold Shrinkage, Flow	0.023 - 0.027 cm/cm	0.023 - 0.027 in/in	
Linear Mold Shrinkage, Transverse	0.0235 - 0.0275 cm/cm	0.0235 - 0.0275 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	
Elongation at Break	>= 100 %	>= 100 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	>= 100 %	>= 100 %	
Tensile Modulus	@Temperature 60.0 °C	@Temperature 140 °F	
	>= 100 %	>= 100 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
Tensile Modulus	0.650 GPa	94.3 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	1.10 GPa	160 ksi	
Tensile Modulus	@Temperature 60.0 °C	@Temperature 140 °F	
	1.90 GPa	276 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	NB	NB	
Charpy Impact, Notched	1.20 J/cm ²	5.71 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	70.0 Â°C	158 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	145 Â°C	293 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	75.0 Â°C	167 Â°F	
Vicat Softening Point	125 Â°C @Load 5.00 kg	257 Â°F @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	175 - 200 Â°C	347 - 392 Â°F	
Mold Temperature	60.0 - 90.0 Â°C	140 - 194 Â°F	
Drying Temperature	80.0 - 90.0 Â°C @Time 10800 sec	176 - 194 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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