

LATI Latamid 6 E02 PA 6, Impact modified

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Impact Grade

Material Notes:

Polyamide 6 (PA6). Toughened. Good 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-Latamid-6-E02-PA-6-Impact-modified.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	
Linear Mold Shrinkage, Flow	0.0115 - 0.0145 cm/cm	0.0115 - 0.0145 in/in	
Linear Mold Shrinkage, Transverse	0.0125 - 0.015 cm/cm	0.0125 - 0.015 in/in	

Mechanical Properties	Metric	English	Comments
Elongation at Break	>= 100 %	>= 100 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	>= 100 %	>= 100 %	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
Elongation at Yield	5.0 %	5.0 %	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Tensile Modulus	0.150 GPa	21.8 ksi	
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	0.200 GPa	29.0 ksi	
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	0.320 GPa	46.4 ksi	

Mechanical Properties	Metric	English	Comments
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	0.450 GPa	65.3 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	2.00 GPa	290 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	NB	NB	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	NB	NB	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
Charpy Impact, Notched	10.0 J/cmÂ²	47.6 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	55.0 Â°C	131 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	140 Â°C	284 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	50.0 Â°C	122 Â°F	
Vicat Softening Point	175 Â°C	347 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 250 Â°C	446 - 482 Â°F	
Mold Temperature	60.0 - 70.0 Â°C	140 - 158 Â°F	
Drying Temperature	90.0 - 100 Â°C	194 - 212 Â°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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