

LATI Lastilac 10 ABS/PC

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced

Material Notes:

ABS/PC Blend (ABS/PC). Unfilled. Very good surface appearance. High impact resistance. Good thermal properties. 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-Lastilac-10-ABSPC.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	
Linear Mold Shrinkage, Flow	0.0055 - 0.0075 cm/cm	0.0055 - 0.0075 in/in	
Linear Mold Shrinkage, Transverse	0.0055 - 0.0075 cm/cm	0.0055 - 0.0075 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	20.0 MPa	2900 psi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	45.0 MPa	6530 psi	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	55.0 MPa	7980 psi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Elongation at Break	40 %	40 %	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	45 %	45 %	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	55 %	55 %	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
Elongation at Yield	4.0 %	4.0 %	
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	5.0 %	5.0 %	

Mechanical Properties	Metric	English	Comments
	6.0 % @Temperature 23.0 Â°C	6.0 % @Temperature 73.4 Â°F	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
Tensile Modulus	1.90 GPa @Temperature 90.0 Â°C	276 ksi @Temperature 194 Â°F	
	2.20 GPa @Temperature 60.0 Â°C	319 ksi @Temperature 140 Â°F	
	2.50 GPa @Temperature 23.0 Â°C	363 ksi @Temperature 73.4 Â°F	
Charpy Impact Unnotched	NB @Temperature 23.0 Â°C	NB @Temperature 73.4 Â°F	
Charpy Impact, Notched	6.50 J/cmÂ² @Temperature 23.0 Â°C	30.9 ft-lb/inÂ² @Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	75.0 Â°C	167 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	110 Â°C	230 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	105 Â°C	221 Â°F	
Vicat Softening Point	110 Â°C @Load 5.00 kg	230 Â°F @Load 11.0 lb	
Oxygen Index	25 %	25 %	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	250 V	250 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 250 Â°C	446 - 482 Â°F	
Mold Temperature	50.0 - 70.0 Â°C	122 - 158 Â°F	

Processing Properties	Metric	English	Comments
Drying Temperature	100 Å°C	212 Å°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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