

LATI Latamid 66 H2 K/20 PA 66, 20% Carbon Fiber Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Carbon Fiber Filled

Material Notes:

Polyamide 66 (PA66) based compound. Heat stabilized. Carbon fiber. 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-66-H2-K20-PA-66-20-Carbon-Fiber-Reinforced-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	
Linear Mold Shrinkage, Flow	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	
Linear Mold Shrinkage, Transverse	0.0065 - 0.0095 cm/cm	0.0065 - 0.0095 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	
	@Temperature 150 °C	@Temperature 302 °F	
	105 MPa	15200 psi	
	@Temperature 120 °C	@Temperature 248 °F	
	115 MPa	16700 psi	
Elongation at Break	@Temperature 90.0 °C	@Temperature 194 °F	
	140 MPa	20300 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	200 MPa	29000 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	2.0 %	2.0 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	2.7 %	2.7 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	3.4 %	3.4 %	
Elongation at Break	@Temperature 90.0 °C	@Temperature 194 °F	
	3.6 %	3.6 %	
	@Temperature 120 °C	@Temperature 248 °F	

Mechanical Properties	Metric	English	Comments
	@Temperature 150 °C	@Temperature 302 °F	
Tensile Modulus	5.40 GPa	783 ksi	
	@Temperature 150 °C	@Temperature 302 °F	
	7.50 GPa	1090 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
	10.0 GPa	1450 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	14.0 GPa	2030 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	15.5 GPa	2250 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	4.50 J/cm²	21.4 ft-lb/in²	
Charpy Impact, Notched	0.600 J/cm²	2.86 ft-lb/in²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	
Deflection Temperature at 0.46 MPa (66 psi)	260 °C	500 °F	
Deflection Temperature at 1.8 MPa (264 psi)	255 °C	491 °F	
Vicat Softening Point	250 °C	482 °F	
	@Load 5.00 kg	@Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Volume Resistivity	50000 ohm-cm	50000 ohm-cm	
Surface Resistance	5000 ohm	5000 ohm	

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 300 °C	518 - 572 °F	
Mold Temperature	80.0 - 100 °C	176 - 212 °F	
Drying Temperature	90.0 - 100 °C	194 - 212 °F	
	@Time 10800 sec	@Time 3.00 hour	

Processing Properties Descriptive Properties	Metric	English Value	Comments Comments
ISO Shrinkage - Pressure		60 MPa	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China