

LATI Latiblend 6252 H2 G/30 PA6/PP Homopolymer

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Polypropylene (PP)

Material Notes:

Blend based on Polyamide 6 (PA6) / Polypropylene homopolymer (PPh). Heat stabilized. Glass fibers. 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-Latiblend-6252-H2-G30-PA6PP-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	1.24 g/cc	0.0448 lb/in ³	
Linear Mold Shrinkage, Flow	0.0035 - 0.0050 cm/cm	0.0035 - 0.0050 in/in	
Linear Mold Shrinkage, Transverse	0.0080 - 0.011 cm/cm	0.0080 - 0.011 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	27.0 MPa	3920 psi	
	@Temperature 150 °C	@Temperature 302 °F	
	40.0 MPa	5800 psi	
	@Temperature 120 °C	@Temperature 248 °F	
	53.0 MPa	7690 psi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	78.0 MPa	11300 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	125 MPa	18100 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	2.7 %	2.7 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	4.6 %	4.6 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	6.0 %	6.0 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
	6.7 %	6.7 %	
	@Temperature 120 °C	@Temperature 248 °F	

Mechanical Properties	Metric	English	Comments
	@Temperature 150 °C	@Temperature 302 °F	
Elongation at Yield	4.0 %	4.0 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	5.0 %	5.0 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
	6.0 %	6.0 %	
	@Temperature 120 °C	@Temperature 248 °F	
Tensile Modulus	6.8 %	6.8 %	
	@Temperature 150 °C	@Temperature 302 °F	
	2.10 GPa	305 ksi	
	@Temperature 150 °C	@Temperature 302 °F	
	3.10 GPa	450 ksi	
	@Temperature 120 °C	@Temperature 248 °F	
Charpy Impact Unnotched	4.70 GPa	682 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	6.40 GPa	928 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	9.40 GPa	1360 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	5.50 J/cm ²	26.2 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	5.50 J/cm ²	26.2 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 °C	248 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (264 psi)	195 °C	383 °F	
Deflection Temperature at 1.8 MPa (264 psi)	160 °C	320 °F	
Vicat Softening Point	170 °C @Load 5.00 kg	338 °F @Load 11.0 lb	
Flammability, UL94	HB @Thickness 0.750 mm	HB @Thickness 0.0295 in	

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 250 °C	446 - 482 °F	
Mold Temperature	70.0 - 80.0 °C	158 - 176 °F	
Drying Temperature	80.0 - 90.0 °C @Time 10800 sec	176 - 194 °F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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