

LATI Latene® AG7H G/30 PP Homopolymer, 30% Glass Fiber Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 30% Glass Fiber Filler

Material Notes:

Polypropylene homopolymer (PPh) based compound. Chemical grafting 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-Latene-AG7H-G30-PP-Homopolymer-30-Glass-Fiber-Reinforced-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	
Linear Mold Shrinkage, Flow	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	
Linear Mold Shrinkage, Transverse	0.0040 - 0.0080 cm/cm	0.0040 - 0.0080 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	55.0 MPa	7980 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	80.0 MPa	11600 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	3.0 %	3.0 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	3.5 %	3.5 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	6.0 %	6.0 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
Tensile Modulus	3.30 GPa	479 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	4.50 GPa		

Mechanical Properties	Metric	English	Comments
	@Temperature 60.0 Â°C	653 ksi @Temperature 140 Â°F	
	6.30 GPa	914 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	6.50 J/cmÂ²	30.9 ft-lb/inÂ²	
Charpy Impact, Notched	1.00 J/cmÂ²	4.76 ft-lb/inÂ²	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 Â°C	248 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	155 Â°C	311 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	135 Â°C	275 Â°F	
Vicat Softening Point	135 Â°C	275 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	200 - 240 Â°C	392 - 464 Â°F	
Mold Temperature	40.0 - 60.0 Â°C	104 - 140 Â°F	
Drying Temperature	80.0 - 90.0 Â°C	176 - 194 Â°F	
	@Time 10800 sec	@Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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