

LATI Latene® AG7H2 G/50 PP Homopolymer, 50% Glass Fiber Reinforced, Heat Stabilized

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 50% Glass Fiber Filler

Material Notes:

Polypropylene homopolymer (PPh) based compound. Chemical grafting Heat stabilized. Glass fibers. 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-AG7H2-G50-PP-Homopolymer-50-Glass-Fiber-Reinforced-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	
Linear Mold Shrinkage, Flow	0.0025 - 0.0050 cm/cm	0.0025 - 0.0050 in/in	
Linear Mold Shrinkage, Transverse	0.0075 - 0.0105 cm/cm	0.0075 - 0.0105 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	40.0 MPa	5800 psi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	65.0 MPa	9430 psi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	105 MPa	15200 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	2.5 %	2.5 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	3.4 %	3.4 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	5.8 %	5.8 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
Elongation at Yield	2.7 %	2.7 %	
	@Temperature 60.0 °C	@Temperature 140 °F	
	4.2 %		

Mechanical Properties	Metric	English	Comments
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
Tensile Modulus	5.30 GPa	769 ksi	
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	8.20 GPa	1190 ksi	
	@Temperature 60.0 Â°C	@Temperature 140 Â°F	
	10.0 GPa	1450 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	1.80 J/cmÂ²	8.57 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	2.00 J/cmÂ²	9.52 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact, Notched	0.400 J/cmÂ²	1.90 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	0.500 J/cmÂ²	2.38 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 Â°C	257 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	160 Â°C	320 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	140 Â°C	284 Â°F	
Vicat Softening Point	140 Â°C	284 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	

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	
	80.0 - 90.0 Â°C	176 - 194 Â°F	

Processing Properties	Metric	English	Comments
	@ Time 10800 sec	@ Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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