

LATI Latene® AG3H2W G/30-V0E PP Homopolymer, 30% Glass Fiber Reinforced, Heat Stabilized, Flame Retardant

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

Material Notes:

Polypropylene homopolymer (PPH) based compound. Chemical grafting Heat stabilized. Metal stabilized. Glass fibers. UL94 V-0 classified, with brominated flame retardants, PBB/PBDE free 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-AG3H2W-G30-V0E-PP-Homopolymer-30-Glass-Fiber-Reinforced-Heat-Stabilized-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in ³	
Linear Mold Shrinkage, Flow	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	
Linear Mold Shrinkage, Transverse	0.0075 - 0.0095 cm/cm	0.0075 - 0.0095 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 MPa	4350 psi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	45.0 MPa	6530 psi	
Elongation at Break	@Temperature 60.0 °C	@Temperature 140 °F	
	75.0 MPa	10900 psi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Elongation at Break	2.5 %	2.5 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	4.0 %	4.0 %	
Elongation at Break	@Temperature 60.0 °C	@Temperature 140 °F	
	7.0 %	7.0 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
Elongation at Yield	2.5 %	2.5 %	
	@Temperature 60.0		

Mechanical Properties	°C Metric	@Temperature 140 °F English	Comments
	4.0 %	4.0 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
Tensile Modulus	4.30 GPa	624 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	
	5.70 GPa	827 ksi	
	@Temperature 60.0 °C	@Temperature 140 °F	
	7.80 GPa	1130 ksi	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact Unnotched	2.00 J/cm ²	9.52 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	4.00 J/cm ²	19.0 ft-lb/in ²	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.500 J/cm ²	2.38 ft-lb/in ²	
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	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	110 °C	230 °F	
Deflection Temperature at 0.46 MPa (66 psi)	155 °C	311 °F	
Deflection Temperature at 1.8 MPa (264 psi)	140 °C	284 °F	
Vicat Softening Point	135 °C	275 °F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	
	V-0	V-0	

Thermal Properties	Metric @Thickness 1.50 mm	English @Thickness 0.0591 in	Comments
	V-0	V-0	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
Oxygen Index	26 %	26 %	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	575 V	575 V	A solution

Processing Properties	Metric	English	Comments
Melt Temperature	190 - 220 Â°C	374 - 428 Â°F	
Mold Temperature	30.0 - 50.0 Â°C	86.0 - 122 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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