

LATI Latene[®] 22H2 MX/25 PP Homopolymer, Heat Stabilized

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Polypropylene homopolymer (PPh) based compound. Heat stabilized. Special mineral filler. Very good surface appearance. 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-22H2-MX25-PP-Homopolymer-Heat-Stabilized.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	
Linear Mold Shrinkage, Flow	0.011 - 0.014 cm/cm	0.011 - 0.014 in/in	
Linear Mold Shrinkage, Transverse	0.0115 - 0.0145 cm/cm	0.0115 - 0.0145 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	18.0 MPa	2610 psi	
Elongation at Break	>= 100 %	>= 100 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	>= 100 %	>= 100 %	
Elongation at Yield	@Temperature 60.0 °C	@Temperature 140 °F	
	>= 100 %	>= 100 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
Elongation at Yield	6.0 %	6.0 %	
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	8.5 %	8.5 %	
Tensile Modulus	@Temperature 60.0 °C	@Temperature 140 °F	
	9.0 %	9.0 %	
	@Temperature 90.0 °C	@Temperature 194 °F	
Tensile Modulus	0.650 GPa	94.3 ksi	
	@Temperature 90.0 °C	@Temperature 194 °F	

Mechanical Properties	Metric	English	Comments
	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	2.60 GPa	377 ksi	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact Unnotched	1.50 J/cmÅ²	7.14 ft-lb/inÅ²	
	@Temperature -20.0 Å°C	@Temperature -4.00 Å°F	
	6.50 J/cmÅ²	30.9 ft-lb/inÅ²	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Charpy Impact, Notched	0.100 J/cmÅ²	0.476 ft-lb/inÅ²	
	@Temperature -20.0 Å°C	@Temperature -4.00 Å°F	
	0.350 J/cmÅ²	1.67 ft-lb/inÅ²	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 Å°C	248 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	105 Å°C	221 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	55.0 Å°C	131 Å°F	
Vicat Softening Point	95.0 Å°C	203 Å°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	2.00	2.00	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	2.00	2.00	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
Oxygen Index	24 %	24 %	
Glow Wire Test	750 Å°C	1380 Å°F	GWFI/GWT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	750 Å°C	1380 Å°F	GWFI/GWT
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	A solution

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 @Time 10800 sec	176 - 194 Â°F @Time 3.00 hour	

Descriptive Properties	Value	Comments
ISO Shrinkage - Pressure	60 MPa	

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