

LATI Latene® EP 7-V2 PP Copolymer, Flame Retardant

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Flame Retardant

Material Notes:

Polypropylene copolymer (PPc) based compound. UL94 V-2 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-EP-7-V2-PP-Copolymer-Flame-Retardant.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	
Linear Mold Shrinkage, Flow	0.014 - 0.017 cm/cm	0.014 - 0.017 in/in	
Linear Mold Shrinkage, Transverse	0.0145 - 0.0175 cm/cm	0.0145 - 0.0175 in/in	

Mechanical Properties	Metric	English	Comments
Elongation at Break	>= 100 %	>= 100 %	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	>= 100 %	>= 100 %	
Elongation at Yield	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	>= 100 %	>= 100 %	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
Elongation at Yield	6.0 %	6.0 %	
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
	9.0 %	9.0 %	
Tensile Modulus	@Temperature 60.0 Å°C	@Temperature 140 Å°F	
	9.0 %	9.0 %	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
Tensile Modulus	0.350 GPa	50.8 ksi	
	@Temperature 90.0 Å°C	@Temperature 194 Å°F	
	0.600 GPa	87.0 ksi	

Mechanical Properties	Metric	English	Comments
	1.35 GPa	196 ksi	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact Unnotched	10.0 J/cmÂ²	47.6 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	NB	NB	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact, Notched	0.300 J/cmÂ²	1.43 ft-lb/inÂ²	
	@Temperature -20.0 Â°C	@Temperature -4.00 Â°F	
	0.800 J/cmÂ²	3.81 ft-lb/inÂ²	
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	75.0 Â°C	167 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	100 Â°C	212 Â°F	
Deflection Temperature at 1.8 MPa (264 psi)	55.0 Â°C	131 Â°F	
Vicat Softening Point	70.0 Â°C	158 Â°F	
	@Load 5.00 kg	@Load 11.0 lb	
Flammability, UL94	V-2	V-2	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
Oxygen Index	25 %	25 %	
Glow Wire Test	960 Â°C	1760 Â°F	GWFI/GWT
	@Thickness 1.00 mm	@Thickness 0.0394 in	
	960 Â°C	1760 Â°F	GWFI/GWT
	@Thickness 2.00 mm	@Thickness 0.0787 in	

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

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 210 Â°C	356 - 410 Â°F	
Mold Temperature	20.0 - 40.0 Â°C	68.0 - 104 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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