

LATI Laticonther 47/1 CP/80 PP Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

High thermal conductivity product based on Polypropylene copolymer (PPc). Special filler. Extrusion and molding injection grade. 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-Laticonther-471-CP80-PP-Copolymer.php

Physical Properties	Metric	English	Comments
Density	2.77 g/cc	0.100 lb/in ³	
Linear Mold Shrinkage, Flow	0.0075 - 0.0125 cm/cm	0.0075 - 0.0125 in/in	
Linear Mold Shrinkage, Transverse	0.0070 - 0.012 cm/cm	0.0070 - 0.012 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 MPa	4350 psi	
Elongation at Break	40 %	40 %	
Tensile Modulus	1.50 GPa	218 ksi	
Charpy Impact Unnotched	NB	NB	
Charpy Impact, Notched	5.00 J/cm ²	23.8 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	2.00 W/m-K	13.9 BTU-in/hr-ft ² - °F	Longitudinal
Deflection Temperature at 0.46 MPa (66 psi)	145 °C	293 °F	
Deflection Temperature at 1.8 MPa (264 psi)	140 °C	284 °F	
Vicat Softening Point	145 °C @Load 5.00 kg	293 °F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+11 ohm	1.00e+11 ohm	

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
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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