

LATI Laticonther 52/11 CP1/600 F3 PP Homopolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

High thermal conductivity product based on Polypropylene homopolymer (PPh). Special filler. Potentially suitable for food/medical contact application. 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-5211-CP1600-F3-PP-Homopolymer.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	
Linear Mold Shrinkage, Flow	0.0090 - 0.014 cm/cm	0.0090 - 0.014 in/in	
Linear Mold Shrinkage, Transverse	0.0090 - 0.014 cm/cm	0.0090 - 0.014 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	22.0 MPa	3190 psi	
Elongation at Break	1.0 %	1.0 %	
Tensile Modulus	3.50 GPa	508 ksi	
Charpy Impact Unnotched	0.500 J/cm ²	2.38 ft-lb/in ²	
Charpy Impact, Notched	0.100 J/cm ²	0.476 ft-lb/in ²	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	5.00 W/m-K	34.7 BTU-in/hr-ft ² - °F	Longitudinal
Deflection Temperature at 0.46 MPa (66 psi)	130 °C	266 °F	
Deflection Temperature at 1.8 MPa (264 psi)	105 °C	221 °F	
Vicat Softening Point	110 °C @Load 5.00 kg	230 °F @Load 11.0 lb	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Mold Temperature	30.0 - 60.0 Â°C	86.0 - 140 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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