

Chang Chun Plastic Longlite PM T376J Heat Resistant Phenolic Molding Compound

Category : Polymer , Thermoset , Phenolic , Phenolic; Unreinforced; Molded

Material Notes:

ASTM Grade per ASTM D700 is 13. Information provided by Dowell Trading Company Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chang-Chun-Plastic-Longlite-PM-T376J-Heat-Resistant-Phenolic-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in ³	ASTM D792
Water Absorption	0.20 %	0.20 %	ASTM D570
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	Compression; ASTM D955
	0.0065 cm/cm	0.0065 in/in	Transfer; ASTM D955
	0.0085 cm/cm	0.0085 in/in	Injection; ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	41.0 MPa	5950 psi	ASTM D651
Flexural Yield Strength	88.0 MPa	12800 psi	ASTM D790
Compressive Yield Strength	193 MPa	28000 psi	ASTM D695
Izod Impact, Notched	0.270 J/cm	0.506 ft-lb/in	ASTM D256
Charpy Impact, Notched	0.320 J/cm ²	1.52 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	Two Hour Heat Resistance per ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	190 °C	374 °F	ASTM D648
Flammability, UL94	V-0	V-0	
	@Thickness 0.600 mm	@Thickness 0.0236 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	ASTM D257
Insulation Resistance	1.00e+9 ohm	1.00e+9 ohm	After Boiling; ASTM D257

Electrical Properties	1.00e+11 ohm Metric	1.00e+11 ohm English	Normal: ASTM D257 Comments
Dielectric Strength	13.8 kV/mm	351 kV/in	ASTM D149
Arc Resistance	180 sec	180 sec	ASTM D495
Comparative Tracking Index	100 - 175 V	100 - 175 V	UL PLC 4

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