

Chang Chun Plastic Longlite PM T359J General Purpose Phenolic Molding Compound

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

Material Notes:

ASTM Grades per ASTM D700 are 3, 14. Information provided by Dowell Trading Company Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chang-Chun-Plastic-Longlite-PM-T359J-General-Purpose-Phenolic-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ASTM D792
Water Absorption	0.40 %	0.40 %	ASTM D570
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	Compression; ASTM D955
	0.0090 cm/cm	0.0090 in/in	Transfer; ASTM D955
	0.012 cm/cm	0.012 in/in	Injection; ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	55.0 MPa	7980 psi	ASTM D651
Flexural Yield Strength	88.0 MPa	12800 psi	ASTM D790
Compressive Yield Strength	207 MPa	30000 psi	ASTM D695
Izod Impact, Notched	0.290 J/cm	0.543 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	180 °C	356 °F	Two Hour Heat Resistance per ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	160 °C	320 °F	ASTM D648
Flammability, UL94	HB	HB	
	@Thickness 0.790 mm	@Thickness 0.0311 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	ASTM D257
Insulation Resistance	1.00e+8 ohm	1.00e+8 ohm	After Boiling; ASTM D257

Electrical Properties	1.00e+10 ohm Metric	1.00e+10 ohm English	Normal: ASTM D257 Comments
Dielectric Strength	9.10 kV/mm	231 kV/in	ASTM D149
Comparative Tracking Index	100 - 175 V	100 - 175 V	UL PLC 4

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