

Chang Chun Plastic Longlite PM T355J Impact 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-T355J-Impact-Phenolic-Molding-Compound.php

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in ³	ASTM D792
Water Absorption	0.20 %	0.20 %	ASTM D570
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	Compression; ASTM D955
	0.0080 cm/cm	0.0080 in/in	Injection; ASTM D955
	0.0080 cm/cm	0.0080 in/in	Transfer; ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	55.0 MPa	7980 psi	ASTM D651
Flexural Yield Strength	76.0 MPa	11000 psi	ASTM D790
Compressive Yield Strength	217 MPa	31500 psi	ASTM D695
Izod Impact, Notched	0.290 J/cm	0.543 ft-lb/in	ASTM D256
Charpy Impact, Notched	0.350 J/cm ²	1.67 ft-lb/in ²	ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	190 °C	374 °F	Two Hour Heat Resistance per ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	180 °C	356 °F	ASTM D648
Flammability, UL94	V-0	V-0	
	@Thickness 0.620 mm	@Thickness 0.0244 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
	1.00e+11 ohm	1.00e+11 ohm	Normal; ASTM D257

Dielectric Strength Electrical Properties	13.8 kV/mm Metric	351 kV/in English	ASTM D149 Comments
Arc Resistance	120 sec	120 sec	ASTM D495
Comparative Tracking Index	175 - 250 V	175 - 250 V	UL PLC 3

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