

Plaslok 7000 Black General Purpose Woodflour Filled Phenolic Molding Compound (discontinued **)

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Phenolic , Phenolic, Novolac, Woodflour Filled

Material Notes:

Plaslok Corporation was purchased by Plastics Engineering Company (maker of Plenco brand materials) in March 2000. The Plaslok name is no longer in use. Plaslok 7000 is the replacement material for the former Union Carbide BMM-7000. It is a two-stage, woodflour-filled phenolic molding compound having versatile molding and preheating characteristics, fast cure, low specific gravity and excellent molded surface finish. Data provided by Plaslok Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plaslok-7000-Black-General-Purpose-Woodflour-Filled-Phenolic-Molding-Compound-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ASTM D792
Apparent Bulk Density	0.600 g/cc	0.0217 lb/in ³	ASTM D1895
Water Absorption	0.45 %	0.45 %	ASTM D570
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	Compression; ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	45.0 MPa	6530 psi	ASTM D638
Flexural Yield Strength	69.0 MPa	10000 psi	ASTM D790
Flexural Modulus	6.90 GPa	1000 ksi	ASTM D790
Compressive Yield Strength	234 MPa	33900 psi	ASTM D695

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	166 °C	331 °F	ASTM D648
UL RTI, Electrical	150 °C	302 °F	1.47 mm
UL RTI, Mechanical with Impact	150 °C	302 °F	1.47 mm
UL RTI, Mechanical without Impact	150 °C	302 °F	1.47 mm
Flammability, UL94	HB	HB	3.05mm
	HB	HB	3.05mm

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
Dielectric Constant	4.0	4.0	1MHz; ASTM D150
	6.0	6.0	60 Hz; ASTM D150
Dielectric Strength	13.8 kV/mm	351 kV/in	ASTM D149
Dissipation Factor	0.040	0.040	1 MHz; ASTM D150
	0.070	0.070	60 Hz; ASTM D150
Comparative Tracking Index	140 V	140 V	UL 746

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