

Plaslok 202 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 202 is a two-stage, woodflour-filled phenolic molding compound formulated to provide improved impact and fatigue strength, good dimensional stability and excellent molded finish for automotive, electrical and mechanical applications. Data provided by Plaslok Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plaslok-202-Black-General-Purpose-Woodflour-Filled-Phenolic-Molding-Compound-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ASTM D792
Apparent Bulk Density	0.560 g/cc	0.0202 lb/in ³	ASTM D1895
Water Absorption	0.40 %	0.40 %	ASTM D570
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	Compression; ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	55.0 MPa	7980 psi	ASTM D638
Flexural Yield Strength	76.0 MPa	11000 psi	ASTM D790
Flexural Modulus	8.30 GPa	1200 ksi	ASTM D790
Compressive Yield Strength	221 MPa	32100 psi	ASTM D695

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	177 °C	351 °F	ASTM D648
UL RTI, Electrical	150 °C @Thickness 1.63 mm	302 °F @Thickness 0.0642 in	
UL RTI, Mechanical with Impact	150 °C @Thickness 1.63 mm	302 °F @Thickness 0.0642 in	
UL RTI, Mechanical without Impact	150 °C @Thickness 1.63 mm	302 °F @Thickness 0.0642 in	
Flammability, UL94	V-1	V-1	3.12 mm

Thermal Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	ASTM D257
Dielectric Constant	4.8	4.8	1MHz; ASTM D150
	6.0	6.0	60 Hz; ASTM D150
Dielectric Strength	11.8 kV/mm	300 kV/in	ASTM D149
Dissipation Factor	0.040	0.040	1 MHz; ASTM D150
	0.10	0.10	60 Hz; ASTM D150
Comparative Tracking Index	125 V	125 V	UL 746

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