

Plaslok 5314 Black (INJ) Impact Grade Phenolic Molding Compound (discontinued **)

Category : Polymer , Thermoset , Phenolic , Phenolic, Novolac, Impact Grade, 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 5314 is the replacement material for the former Union Carbide BMMA-5314. It is a two-stage, impact grade phenolic molding compound suitable for compression, transfer or injection molding of parts where toughness is desired but surface finish is not a requirement. Data provided by Plaslok Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plaslok-5314-Black-INJ-Impact-Grade-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	0.450 g/cc	0.0163 lb/in ³	ASTM D1895
Water Absorption	0.80 %	0.80 %	ASTM D570
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	Injection; ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	48.0 MPa	6960 psi	ASTM D638
Flexural Yield Strength	72.0 MPa	10400 psi	ASTM D790
Flexural Modulus	6.90 GPa	1000 ksi	ASTM D790
Compressive Yield Strength	193 MPa	28000 psi	ASTM D695

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	160 °C	320 °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	3.18mm
	HB	HB	3.18mm

Electrical Properties	Metric	English	Comments
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Electrical Resistivity Electrical Properties	$3.00\text{e}+11$ ohm-cm Metric	$3.00\text{e}+11$ ohm-cm English	ASTM D257 Comments
Dielectric Constant	5.3	5.3	1MHz; ASTM D150
	8.5	8.5	60 Hz; ASTM D150
Dielectric Strength	13.2 kV/mm	335 kV/in	ASTM D149
Dissipation Factor	0.050	0.050	1 MHz; ASTM D150
	0.24	0.24	60 Hz; ASTM D150
Comparative Tracking Index	138 V	138 V	UL 746

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