

Plaslok 304 Black Impact Grade Woodflour/Cellulose Filled Phenolic Molding Compound (discontinued **)

Category : Polymer , Thermoset , Filled/Reinforced 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 304 is a two-stage, woodflour and cellulose-filled phenolic molding compound having improved impact strength. It is suitable for automatic molding, and is recommended for thin-walled parts or where mechanical assembly stress is experienced. Data provided by Plaslok Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plaslok-304-Black-Impact-Grade-WoodflourCellulose-Filled-Phenolic-Molding-Compound-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	ASTM D792
Apparent Bulk Density	0.500 g/cc	0.0181 lb/in ³	ASTM D1895
Water Absorption	0.40 %	0.40 %	ASTM D570
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	Compression; ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	52.0 MPa	7540 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	207 MPa	30000 psi	ASTM D695

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	166 °C	331 °F	ASTM D648

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
	7.2	7.2	60 Hz; ASTM D150
Dielectric Strength	13.4 kV/mm	340 kV/in	ASTM D149
Dissipation Factor	0.040	0.040	1 MHz; ASTM D150

Electrical Properties	^{0.14} Metric	^{0.14} English	^{60 Hz} ASTM D150 Comments
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Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China