

Plaslok 501 Black Electrical Grade Mineral/Flock Filled Phenolic Molding Compound (discontinued **)

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Phenolic , Phenolic, Novolac, Electrical 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 501 is a two-stage, mineral and flock-filled phenolic molding compound designed for use in heat resistant and electrical applications. It is designed for elevated temperature exposure for extended periods of time. It exhibits good dimensional stability and flame resistance. Data provided by Plaslok Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plaslok-501-Black-Electrical-Grade-MineralFlock-Filled-Phenolic-Molding-Compound-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.71 g/cc	0.0618 lb/in ³	ASTM D792
Apparent Bulk Density	0.700 g/cc	0.0253 lb/in ³	ASTM D1895
Water Absorption	0.20 %	0.20 %	ASTM D570
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	Compression; ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	45.0 MPa	6530 psi	ASTM D638
Flexural Yield Strength	76.0 MPa	11000 psi	ASTM D790
Flexural Modulus	9.00 GPa	1310 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	302 °F	1.57 mm
UL RTI, Mechanical with Impact	150 °C	302 °F	1.57 mm
UL RTI, Mechanical without Impact	150 °C	302 °F	1.57 mm
Flammability, UL94	V-0	V-0	1.57 mm
	V-0	V-0	1.57 mm

Electrical Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.8	4.8	1MHz; ASTM D150
	6.5	6.5	60 Hz; ASTM D150
Dielectric Strength	13.0 kV/mm	330 kV/in	ASTM D149
Dissipation Factor	0.030	0.030	1 MHz; ASTM D150
	0.12	0.12	60 Hz; ASTM D150
Comparative Tracking Index	160 V	160 V	UL 746

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