

Plenco 201 Black General Purpose Woodflour/Mineral Filled Phenolic Molding Compound (discontinued **)

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

Material Notes:

Plaslok 201 is a two-stage, woodflour and mineral-filled phenolic molding compound formulated to have an excellent balance of molded properties. The material provides good electrical insulation values and physical properties combined with versatile molding characteristics. Data provided by Plaslok Corporation. Plaslok Corporation was purchased by Plastics Engineering Company in March 2000. The Plaslok name is no longer used on any products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plenco-201-Black-General-Purpose-WoodflourMineral-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	0.600 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	52.0 MPa	7540 psi	ASTM D638
Flexural Yield Strength	76.0 MPa	11000 psi	ASTM D790
Flexural Modulus	6.90 GPa	1000 ksi	ASTM D790
Compressive Yield Strength	228 MPa	33100 psi	ASTM D695

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	168 °C	334 °F	ASTM D648
UL RTI, Electrical	150 °C @Thickness 1.47 mm	302 °F @Thickness 0.0579 in	
UL RTI, Mechanical with Impact	150 °C @Thickness 1.47 mm	302 °F @Thickness 0.0579 in	
UL RTI, Mechanical without Impact	150 °C @Thickness 1.47 mm	302 °F @Thickness 0.0579 in	
Flammability, UL94	HB	HB	

Thermal Properties	@Thickness 3.05 mm Metric	@Thickness 0.120 in English	Comments
	HB	HB	
	@Thickness 3.05 mm	@Thickness 0.120 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+12 ohm-cm	1.00e+12 ohm-cm	ASTM D257
Dielectric Constant	5.8	5.8	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	
Dielectric Strength	14.2 kV/mm	361 kV/in	ASTM D149
Dissipation Factor	0.030	0.030	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.060	0.060	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	
Comparative Tracking Index	140 V	140 V	UL 746

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