

## Plenco 7000 Black General Purpose Woodflour Filled Phenolic Molding Compound (discontinued \*\*)

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

### Material Notes:

Plaslok 7000 is the replacement material for the former Union Carbide BMM-7000. It is a two-stage, woodflour-filled phenolic molding compound having versatile molding and preheating characteristics, fast cure, low specific gravity and excellent molded surface finish. 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-7000-Black-General-Purpose-Woodflour-Filled-Phenolic-Molding-Compound-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Plenco-7000-Black-General-Purpose-Woodflour-Filled-Phenolic-Molding-Compound-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in <sup>3</sup>	ASTM D792
Apparent Bulk Density	0.600 g/cc	0.0217 lb/in <sup>3</sup>	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	45.0 MPa	6530 psi	ASTM D638
Flexural Yield Strength	69.0 MPa	10000 psi	ASTM D790
Flexural Modulus	6.90 GPa	1000 ksi	ASTM D790
Compressive Yield Strength	234 MPa	33900 psi	ASTM D695

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	166 °C	331 °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	3.00e+12 ohm-cm	3.00e+12 ohm-cm	ASTM D257
Dielectric Constant	4.0	4.0	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	6.0	6.0	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	
Dissipation Factor	13.8 kV/mm	351 kV/in	ASTM D149
Comparative Tracking Index	0.040	0.040	ASTM D150
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Comparative Tracking Index	0.070	0.070	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	
Comparative Tracking Index	140 V	140 V	UL 746

## Contact Songhan Plastic Technology Co.,Ltd.

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