

Plenco 307 Black Impact Grade Mineral/Flock Filled Phenolic Molding Compound (discontinued **)

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Phenolic , Phenolic, Novolac, Impact Grade, Filled

Material Notes:

Plaslok 307 is a two-stage, mineral and flock-filled phenolic molding compound designed for the automotive industry for use in brake system components. It is characterized by good molding latitude in both compression and injection molding. 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-307-Black-Impact-Grade-MineralFlock-Filled-Phenolic-Molding-Compound-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	ASTM D792
Apparent Bulk Density	0.550 g/cc	0.0199 lb/in ³	ASTM D1895
Water Absorption	0.35 %	0.35 %	ASTM D570
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	Compression; ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell E	85	85	ASTM D785
Tensile Strength, Ultimate	59.0 MPa	8560 psi	ASTM D638
Flexural Yield Strength	83.0 MPa	12000 psi	ASTM D790
Flexural Modulus	7.00 GPa	1020 ksi	ASTM D790
Compressive Yield Strength	234 MPa	33900 psi	ASTM D695
Izod Impact, Notched	0.270 J/cm	0.506 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	185 °C	365 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Electrical Resistivity	2.30e+11 ohm-cm	2.30e+11 ohm-cm	ASTM D257
Dielectric Strength	11.4 kV/mm	290 kV/in	ASTM D149

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