

## Plaslok 308 Black (COM) Mineral/Flock Filled Phenolic Molding Compound (discontinued \*\*)

Category : Polymer , Thermoset , Filled/Reinforced Thermoset , Phenolic , Phenolic, Novolac, Mineral/Flock 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 308 is a two-stage, mineral and flock-filled phenolic molding compound designed to withstand the hostile environment of high abrasion and high tangential speed of engine pulleys. It is characterized by both exceptional strength and good surface appearance. Data provided by Plaslok Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plaslok-308-Black-COM-MineralFlock-Filled-Phenolic-Molding-Compound-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Plaslok-308-Black-COM-MineralFlock-Filled-Phenolic-Molding-Compound-nbspdiscontinued-.php)

| Physical Properties   | Metric       | English                   | Comments               |
|-----------------------|--------------|---------------------------|------------------------|
| Density               | 1.46 g/cc    | 0.0527 lb/in <sup>3</sup> | ASTM D792              |
| Apparent Bulk Density | 0.500 g/cc   | 0.0181 lb/in <sup>3</sup> | ASTM D1895             |
| Water Absorption      | 0.40 %       | 0.40 %                    | ASTM D570              |
| Linear Mold Shrinkage | 0.0045 cm/cm | 0.0045 in/in              | Compression; ASTM D955 |

| Mechanical Properties      | Metric     | English        | Comments  |
|----------------------------|------------|----------------|-----------|
| Tensile Strength, Ultimate | 52.0 MPa   | 7540 psi       | ASTM D638 |
| Flexural Yield Strength    | 83.0 MPa   | 12000 psi      | ASTM D790 |
| Flexural Modulus           | 6.90 GPa   | 1000 ksi       | ASTM D790 |
| Compressive Yield Strength | 166 MPa    | 24100 psi      | ASTM D695 |
| Izod Impact, Notched       | 0.290 J/cm | 0.543 ft-lb/in | ASTM D256 |

| Electrical Properties      | Metric          | English         | Comments  |
|----------------------------|-----------------|-----------------|-----------|
| Electrical Resistivity     | 2.20e+10 ohm-cm | 2.20e+10 ohm-cm | ASTM D257 |
| Dielectric Strength        | 12.2 kV/mm      | 310 kV/in       | ASTM D149 |
| Comparative Tracking Index | 180 V           | 180 V           | UL 746    |

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