

## Chevron Phillips 4538B LDPE Injection Molding Resin (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

### Material Notes:

Resin Type: Homopolymer; ASTM D 4976 Classification: PE 113, A 05200 Characteristics: Good Flexibility, Moderate Flow, Moderate Warping Resistance, Good Mold Release, Excellent ESCR Applications: Personal Care Product Closures Data provided by Chevron Chemical.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chevron-Phillips-4538B-LDPE-Injection-Molding-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Chevron-Phillips-4538B-LDPE-Injection-Molding-Resin-nbspdiscontinued-.php)

| Physical Properties   | Metric                                               | English                                              | Comments    |
|-----------------------|------------------------------------------------------|------------------------------------------------------|-------------|
| Density               | 0.925 g/cc                                           | 0.0334 lb/in <sup>3</sup>                            | ASTM D1505  |
| Apparent Bulk Density | 0.526 g/cc                                           | 0.0190 lb/in <sup>3</sup>                            | ASTM D1895  |
| Melt Flow             | 2.0 g/10 min<br>@Load 2.16 kg,<br>Temperature 190 °C | 2.0 g/10 min<br>@Load 4.76 lb,<br>Temperature 374 °F | ASTM D 1238 |

| Mechanical Properties      | Metric    | English  | Comments                |
|----------------------------|-----------|----------|-------------------------|
| Hardness, Shore D          | 56        | 56       | ASTM D2240              |
| Tensile Strength, Ultimate | 17.2 MPa  | 2490 psi | ASTM D638               |
| Elongation at Break        | >= 600 %  | >= 600 % | ASTM D638               |
| Flexural Modulus           | 0.186 GPa | 27.0 ksi | 3 pt. secant. ASTM D790 |

| Thermal Properties      | Metric      | English     | Comments   |
|-------------------------|-------------|-------------|------------|
| Vicat Softening Point   | 100 °C      | 212 °F      | ASTM D1525 |
| Brittleness Temperature | <= -72.0 °C | <= -97.6 °F | ASTM D746  |

## Contact Songhan Plastic Technology Co.,Ltd.

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