

## Chevron Phillips Marlex® 9503H HDPE Blow Molding Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

### Material Notes:

Resin Type: Hexene Copolymer  
Characteristics: Outstanding ESCRExcellent impact resistance  
Applications: Detergent bottlesIndustrial containers/large partsHousehold and industrial chemical containers  
Information provided by Chevron Phillips.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chevron-Phillips-Marlex-9503H-HDPE-Blow-Molding-Resin.php](http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-9503H-HDPE-Blow-Molding-Resin.php)

| Physical Properties    | Metric        | English                   | Comments                       |
|------------------------|---------------|---------------------------|--------------------------------|
| Density                | 0.946 g/cc    | 0.0342 lb/in <sup>3</sup> | ASTM D1505                     |
| ESCR 100% Igepal®      | >= 1000 hour  | >= 1000 hour              | Conditions A and B; ASTM D1693 |
| Melt Index of Compound | 0.31 g/10 min | 0.31 g/10 min             | Condition 190/2.16; ASTM D1238 |

| Mechanical Properties   | Metric   | English  | Comments                                      |
|-------------------------|----------|----------|---|
| Tensile Strength, Yield | 24.0 MPa | 3480 psi | 2 in/min, Type IV bar; ASTM D638              |
| Elongation at Break     | 500 %    | 500 %    | 2 in/min, Type IV bar; ASTM D638              |
| Flexural Modulus        | 1.07 GPa | 155 ksi  | Tangent, 16:1 span:depth,0.5in/min; ASTM D790 |

| Thermal Properties      | Metric      | English    | Comments                                 |
|-------------------------|-------------|------------|--|
| Brittleness Temperature | <= -75.0 °C | <= -103 °F | Type A clamp, type 1 specimen; ASTM D746 |

## Contact Songhan Plastic Technology Co.,Ltd.

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