

## Reliance Industries Relene L41003 Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

**Material Notes:**

The UV stabilized version of Relene E41003 Information provided by Reliance Industries

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Reliance-Industries-Relene-L41003-Polyethylene.php](http://www.lookpolymers.com/polymer_Reliance-Industries-Relene-L41003-Polyethylene.php)

| Physical Properties | Metric                         | English                        | Comments   |
|---------------------|--------------------------------|--------------------------------|------------|
| Density             | 0.943 g/cc                     | 0.0341 lb/in <sup>3</sup>      | ASTM D1505 |
| Melt Flow           | 0.28 g/10 min<br>@Load 2.16 kg | 0.28 g/10 min<br>@Load 4.76 lb | ASTM D1238 |

| Mechanical Properties      | Metric    | English  | Comments   |
|----------------------------|-----------|----------|------------|
| Hardness, Shore D          | 64.5      | 64.5     | ASTM D2240 |
| Tensile Strength, Ultimate | 24.0 MPa  | 3480 psi | ASTM D638  |
| Tensile Strength, Yield    | 20.0 MPa  | 2900 psi | ASTM D638  |
| Elongation at Break        | 500 %     | 500 %    | ASTM D638  |
| Flexural Modulus           | 0.700 GPa | 102 ksi  | ASTM D790  |

| Thermal Properties    | Metric | English | Comments   |
|-----------------------|--------|---------|------------|
| Vicat Softening Point | 124 °C | 255 °F  | ASTM D1525 |

## Contact Songhan Plastic Technology Co.,Ltd.

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