

## Diamond Polymers NPP10-2523 Low Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE

**Material Notes:**

Information Provided by Diamond Polymers, Inc. &amp; Network Polymers, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Diamond-Polymers-NPP10-2523-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Diamond-Polymers-NPP10-2523-Low-Density-Polyethylene.php)

| Physical Properties | Metric  | English   | Comments   |
|---------------------|---|---|------------|
| Density             | 0.923 g/cc  | 0.0333 lb/in <sup>3</sup>                           | ASTM D1505 |
| Melt Flow           | 24 g/10 min<br>@Load 2.16 kg,<br>Temperature 190 °C | 24 g/10 min<br>@Load 4.76 lb,<br>Temperature 374 °F | ASTM D1238 |

| Mechanical Properties     | Metric    | English  | Comments                   |
|---------------------------|-----------|----------|----------------------------|
| Tensile Strength at Break | 11.0 MPa  | 1600 psi | ASTM D882                  |
| Elongation at Break       | 150 %     | 150 %    | ASTM D882                  |
| Flexural Modulus          | 0.303 GPa | 43.9 ksi | chs 0.05 in/min; ASTM D790 |

| Thermal Properties      | Metric      | English     | Comments  |
|-------------------------|-------------|-------------|-----------|
| Brittleness Temperature | <= -35.0 °C | <= -31.0 °F | ASTM D746 |

## Contact Songhan Plastic Technology Co.,Ltd.

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