

## Unipetrol PE HD LITEN® MB/ML 87 HDPE

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

**Material Notes:**

Made for injection molding applications. Information provided by Unipetrol RPA

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Unipetrol-PE-HD-LITEN-MBML-87-HDPE.php](http://www.lookpolymers.com/polymer_Unipetrol-PE-HD-LITEN-MBML-87-HDPE.php)

| Physical Properties | Metric  | English   | Comments |
|---------------------|---|---|----------|
| Density             | 0.956 g/cc  | 0.0345 lb/in <sup>3</sup>                           | ISO 1183 |
| 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 | ISO 1133 |

| Mechanical Properties   | Metric  | English  | Comments |
|-------------------------|---|--|----------|
| Hardness, Shore D       | 56  | 56   | ISO 868  |
| Tensile Strength, Yield | 22.0 MPa  | 3190 psi   | ISO 527  |
| Elongation at Yield     | 10 %  | 10 %   | ISO 527  |
| Flexural Modulus        | 0.900 GPa                                       | 131 ksi  | ISO 178  |
| Charpy Impact, Notched  | 0.300 J/cm <sup>2</sup><br>@Temperature 23.0 °C | 1.43 ft-lb/in <sup>2</sup><br>@Temperature 73.4 °F | ISO 179  |

| Thermal Properties    | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| Vicat Softening Point | 123 °C | 253 °F  | ISO 306  |

## Contact Songhan Plastic Technology Co.,Ltd.

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