

Unipetrol PE HD LITEN® MB/ML 87 HDPE

Categories: [Polymer](#); [Thermoplastic](#); [Polyethylene \(PE\)](#); [High Density \(HDPE\)](#)

Material Notes: Made for injection molding applications.

Information provided by Unipetrol RPA

Vendors: No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|----------|
| Density | 0.956 g/cc | 0.0345 lb/in ³ | ISO 1183 |
| Melt Flow | 24 g/10 min @Load 2.16 kg, Temperature 190 °C | 24 g/10 min @Load 4.76 lb, 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 ² @Temperature 23.0 °C | 1.43 ft-lb/in ² @Temperature 73.4 °F | ISO 179 |

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

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.