

**Unipetrol PE HD LITEN® MB 68 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-MB-68-HDPE.php](http://www.lookpolymers.com/polymer_Unipetrol-PE-HD-LITEN-MB-68-HDPE.php)

Physical Properties	Metric	English	Comments
Density	0.957 g/cc	0.0346 lb/in <sup>3</sup>	ISO 1183
ESCR 100% Igepal®	3.0 hour @Temperature 50.0 °C	3.0 hour @Temperature 122 °F	ASTM D1693
Melt Flow	7.5 g/10 min @Load 2.16 kg, Temperature 190 °C	7.5 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58	58	ISO 868
Tensile Strength, Yield	23.0 MPa	3340 psi	ISO 527
Elongation at Yield	9.5 %	9.5 %	ISO 527
Flexural Modulus	0.950 GPa	138 ksi	ISO 178
Charpy Impact, Notched	0.650 J/cm <sup>2</sup> @Temperature 23.0 °C	3.09 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Vicat Softening Point	126 °C	259 °F	ISO 306

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