

**Unipetrol PE HD LITEN® MS 57 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-MS-57-HDPE.php](http://www.lookpolymers.com/polymer_Unipetrol-PE-HD-LITEN-MS-57-HDPE.php)

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in <sup>3</sup>	ISO 1183
ESCR 100% Igepal®	20 hour @Temperature 50.0 °C	20 hour @Temperature 122 °F	ASTM D1693
Melt Flow	4.2 g/10 min @Load 2.16 kg, Temperature 190 °C	4.2 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	57	57	ISO 868
Tensile Strength, Yield	20.0 MPa	2900 psi	ISO 527
Elongation at Yield	10 %	10 %	ISO 527
Flexural Modulus	0.800 GPa	116 ksi	ISO 178
Charpy Impact, Notched	0.500 J/cm <sup>2</sup> @Temperature -30.0 °C	2.38 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 179
	1.20 J/cm <sup>2</sup> @Temperature 23.0 °C	5.71 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179

Thermal Properties	Metric	English	Comments
Vicat Softening Point	125 °C	257 °F	ISO 306

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