

**Unipetrol PE HD LITEN® MB/ML 71 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-71-HDPE.php](http://www.lookpolymers.com/polymer_Unipetrol-PE-HD-LITEN-MBML-71-HDPE.php)

Physical Properties	Metric	English	Comments
Density	0.963 g/cc	0.0348 lb/in <sup>3</sup>	ISO 1183
Melt Flow	8.5 g/10 min	8.5 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	23 g/10 min	23 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	58	58	ISO 868
Tensile Strength, Yield	25.0 MPa	3630 psi	ISO 527
Elongation at Yield	9.0 %	9.0 %	ISO 527
Flexural Modulus	1.10 GPa	160 ksi	ISO 178
Charpy Impact, Notched	0.550 J/cm <sup>2</sup>	2.62 ft-lb/in <sup>2</sup>	ISO 179
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	0.650 J/cm <sup>2</sup>	3.09 ft-lb/in <sup>2</sup>	ISO 179
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	127 °C	261 °F	ISO 306

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