

Unipetrol PE HD LITEN® BB 10 HDPE

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

Material Notes:

Made for blow molding, extrusion, and pipe applications. Information provided by Unipetrol RPA

Order this product through the following link:

http://www.lookpolymers.com/polymer_Unipetrol-PE-HD-LITEN-BB-10-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.942 g/cc	0.0340 lb/in ³	ISO 1183
ESCR 100% Igepal®	>= 1000 hour @Temperature 50.0 °C	>= 1000 hour @Temperature 122 °F	ASTM D1693
Melt Flow	0.10 g/10 min @Load 2.16 kg, Temperature 190 °C	0.10 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133
	0.55 g/10 min @Load 5.00 kg, Temperature 190 °C	0.55 g/10 min @Load 11.0 lb, Temperature 374 °F	ISO 1133
	14 g/10 min @Load 21.6 kg, Temperature 190 °C	14 g/10 min @Load 47.6 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	0.750 GPa	109 ksi	ISO 178
Charpy Impact, Notched	0.120 J/cm ² @Temperature 23.0 °C	0.571 ft-lb/in ² @Temperature 73.4 °F	ISO 179
	0.500 J/cm ² @Temperature -30.0 °C	2.38 ft-lb/in ² @Temperature -22.0 °F	ISO 179

Thermal Properties	Metric	English	Comments
Vicat Softening Point	118 °C	244 °F	ISO 306

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