

Unipetrol PE HD LITEN® VB 33 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-VB-33-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.956 g/cc	0.0345 lb/in ³	ISO 1183
ESCR 100% Igepal®	11 hour @Temperature 50.0 °C	11 hour @Temperature 122 °F	ASTM D1693
Melt Flow	0.33 g/10 min @Load 2.16 kg, Temperature 190 °C	0.33 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133
	1.3 g/10 min @Load 5.00 kg, Temperature 190 °C	1.3 g/10 min @Load 11.0 lb, Temperature 374 °F	ISO 1133
	21 g/10 min @Load 21.6 kg, Temperature 190 °C	21 g/10 min @Load 47.6 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	61	61	ISO 868
Tensile Strength, Yield	27.0 MPa	3920 psi	ISO 527
Elongation at Yield	9.0 %	9.0 %	ISO 527
Flexural Modulus	1.25 GPa	181 ksi	ISO 178
Charpy Impact, Notched	0.200 J/cm ² @Temperature 23.0 °C	0.952 ft-lb/in ² @Temperature 73.4 °F	ISO 179
	1.00 J/cm ² @Temperature -30.0 °C	4.76 ft-lb/in ² @Temperature -22.0 °F	ISO 179

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

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