

Unipetrol PE HD LITEN® VL 20 HDPE

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

Material Notes:

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-VL-20-HDPE.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	ISO 1183
ESCR 100% Igepal®	>= 1000 hour @Temperature 50.0 °C	>= 1000 hour @Temperature 122 °F	ASTM D1693
Carbon Black Loading	2.0 %	2.0 %	ISO 6469
Melt Flow	0.13 g/10 min @Load 2.16 kg, Temperature 190 °C	0.13 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133
	0.70 g/10 min @Load 2.16 kg, Temperature 190 °C	0.70 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133
	17 g/10 min @Load 2.16 kg, Temperature 190 °C	17 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	56	56	ISO 868
Tensile Strength, Yield	19.0 MPa	2760 psi	ISO 527
Elongation at Yield	8.0 %	8.0 %	ISO 527
Flexural Modulus	0.750 GPa	109 ksi	ISO 178
Charpy Impact, Notched	0.100 J/cm ² @Temperature 23.0 °C	0.476 ft-lb/in ² @Temperature 73.4 °F	ISO 179
	0.350 J/cm ² @Temperature -30.0 °C	1.67 ft-lb/in ² @Temperature -22.0 °F	ISO 179

Thermal Properties	Metric	English	Comments
Vicat Softening Point	117 °C	243 °F	ISO 306

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