

Unipetrol PE HD LITEN® PL 10 HDPE

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

Material Notes:

Pipe applications. Information provided by Unipetrol RPA

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	0.952 g/cc	0.0344 lb/in ³	ISO 1183
ESCR 100% Igepal®	>= 1000 hour @Temperature 50.0 °C	>= 1000 hour @Temperature 122 °F	ASTM D1693
Carbon Black Loading	2.4 %	2.4 %	ISO 6469
Melt Flow	0.080 g/10 min @Load 2.16 kg, Temperature 190 °C	0.080 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133
	0.45 g/10 min @Load 2.16 kg, Temperature 190 °C	0.45 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133
	13 g/10 min @Load 2.16 kg, Temperature 190 °C	13 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	9.0 %	9.0 %	ISO 527
Flexural Modulus	0.800 GPa	116 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
	0.400 J/cm ² @Temperature -30.0 °C	1.90 ft-lb/in ² @Temperature -22.0 °F	ISO 179

Thermal Properties	Metric	English	Comments
Vicat Softening Point	119 °C	246 °F	ISO 306

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