

LG Chemical LUTENE-H XL1800 HDPE

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

Material Notes:

Description: LUTENE-H XL 1800 is a optimum materials for under-floor heating and drinking water pipe by RAM type extrusion. It is excellent product with long-term internal pressure creep property and crosslinked property, mechanical propertiesApplications: Peroxide crosslinked pipes for under-floor heating and drinking waterCAS No. 9002-88-4Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUTENE-H-XL1800-HDPE.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 g/cc	0.950 g/cc	ASTM D1505
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 Â°C	2.0 g/10 min @Load 4.76 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ASTM D2240
Tensile Strength, Yield	23.5 MPa	3410 psi	ASTM D638
Elongation at Break	>= 800 %	>= 800 %	ASTM D638
Flexural Modulus	0.981 GPa	142 ksi	ASTM D790
Izod Impact, Unnotched	>= NB @Temperature 23.0 Â°C	>= NB @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Crystallization Temperature	129 Â°C	264 Â°F	Melting; DSC
Vicat Softening Point	123 Â°C	253 Â°F	ASTM D1525
Brittleness Temperature	<= -80.0 Â°C	<= -112 Â°F	ASTM D746

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