

Chevron Phillips Marlex® HHM TR-480X HDPE Pipe and Corrugated Extrusion Resin (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Extruded

Material Notes:

Characteristics: Good long-term hoop strength performance Very high melt strength Outstanding low temperature toughness Applications: Municipal, industrial, and mining pipe Oil and gas gathering pipe Information provided by Chevron Phillips.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-HHM-TR-480X-HDPE-Pipe-and-Corrugated-Extrusion-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.944 g/cc	0.0341 lb/in ³	ASTM D1505
Melt Flow	11 g/10 min	11 g/10 min	Condition 190/2.16, HLMI; ASTM D1238

Mechanical Properties	Metric	English	Comments
PENT	>= 100 hour	>= 100 hour	Slow crack growth; ASTM F1473
Tensile Strength, Yield	22.0 MPa	3190 psi	2 in/min, Type IV bar; ASTM D638
Elongation at Break	800 %	800 %	2 in/min, Type IV bar; ASTM D638
Flexural Modulus	0.760 GPa	110 ksi	2% Secant - 16:1 span:depth, 0.5 in/min; ASTM D3350
	0.960 GPa	139 ksi	Tangent, 16:1 span:depth, 0.5 in/min; ASTM D790
Hydrostatic Design Basis	5.50 MPa	798 psi	60°C; ASTM D2837
	11.0 MPa	1600 psi	ASTM D2837
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -75.0 °C	<= -103 °F	Type A clamp, type 1 specimen; ASTM D746

Descriptive Properties	Value	Comments
Minimum Required Strength	8 MPa	ISO 9080

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