

Chevron Phillips Marlex® H525 High Density Polyethylene, Pressure Pipe Grade

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

Material Notes:

This high performance PE 4710 HDPE is tailored for demanding pressure pipe applications that require: Good long-term hoop strength
 Good resistance to slow crack growth
 Excellent resistance to slump
 Additional Information
 Meets ASTM D4796 - PE 235
 Typical applications for H525 include: Municipal, industrial and mining pipe
 Oil and gas-gathering pipe
 When blended with an approved black concentrate, the material meets or exceeds: ASTM D3350, cell classes 445574
 CNSF Standards 14 and 61 for potable water
 PPI designations PE 4710
 Information provided by Chevron Phillips Chemical Company LP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-H525-High-Density-Polyethylene-Pressure-Pipe-Grade.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.948 g/cc	0.948 g/cc	ASTM D1505
Melt Flow	9.0 g/10 min @Load 21.6 kg, Temperature 190 °C	9.0 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
PENT	>= 500 hour	>= 500 hour	ASTM F1473
Tensile Strength, Yield	>= 24.0 MPa	>= 3480 psi	2 in/min, Type IV bar; ASTM D638
Elongation at Break	>= 700 %	>= 700 %	2 in/min, Type IV bar; ASTM D638
Flexural Modulus	0.830 GPa	120 ksi	2% Secant; ASTM D790
Hydrostatic Design Basis	6.90 MPa @Temperature 60.0 °C	1000 psi @Temperature 140 °F	ASTM D2837
	11.0 MPa @Temperature 23.0 °C	1600 psi @Temperature 73.4 °F	ASTM D2837

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