

Chevron Phillips Marlex® 9346 HDPE Natural Pipe Resin

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

Material Notes:

Resin Type: Linear Copolymer; PE3408 Pipe Resin; ASTM D 3350 Classification:345464C when used with an approved color concentrate;
 ASTM D 4976 Classification: PE 235, A 56607 Applications:Pressure Piping Applications Data provided by Chevron Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-9346-HDPE-Natural-Pipe-Resin.php

Physical Properties	Metric	English	Comments
Density	0.946 g/cc	0.0342 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	>= 1500 hour @Temperature 50.0 °C	>= 1500 hour @Temperature 122 °F	F ₅₀ , Cond. B.; ASTM D1693
	>= 1500 hour @Temperature 100 °C	>= 1500 hour @Temperature 212 °F	F ₅₀ Cond. C; ASTM D1693
High Load Melt Index	9.0 g/10 min @Load 21.6 kg, Temperature 190 °C	9.0 g/10 min @Load 47.6 lb, Temperature 374 °F	High Load; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	66	66	ASTM D2240
Tensile Strength, Ultimate	34.0 MPa	4930 psi	ASTM D638
Tensile Strength, Yield	22.0 MPa	3190 psi	ASTM D638
Elongation at Break	>= 800 %	>= 800 %	ASTM D638
Flexural Modulus	0.900 GPa	131 ksi	3 pt. secant. ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	126 °C	259 °F	ASTM D1525
Brittleness Temperature	<= -59.0 °C	<= -74.2 °F	ASTM D746

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