

Chevron Phillips Marlex® C514 HDPE Pipe and Corrugated Extrusion Resin (discontinued **)

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

Material Notes:

Characteristics: Good melt strength Good pipe stiffness Good ESCR Applications: Culverts Storm sewers Land drainage Information provided by Chevron Phillips.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-C514-HDPE-Pipe-and-Corrugated-Extrusion-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.953 g/cc	0.0344 lb/in ³	ASTM D1505
ESCR 100% Igepal®	>= 500 hour	>= 500 hour	Condition B; ASTM D1693
Melt Flow	21 g/10 min	21 g/10 min	Condition 190/21.6, HLMI; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.0 MPa	4060 psi	2 in/min, Type IV bar; ASTM D638
Elongation at Break	>= 600 %	>= 600 %	2 in/min, Type IV bar; ASTM D638
Flexural Modulus	1.31 GPa	190 ksi	Tangent, 16:1 span:depth, 0.5in/min; ASTM D790

Descriptive Properties	Value	Comments
Notched Constant Ligament Stress	Min 24 h	Average of five

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