

Chevron Phillips Marlex® C590 High Density Polyethylene (discontinued **)

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

Material Notes:

High Density Polyethylene Data provided by Chevron Phillips Chemical Company, LP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-C590-High-Density-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	80 hour	80 hour	Condition A, F _{>50</sub>, ASTM D1693; Bottle ESCR: 250, ASTM D2561}
Melt Flow	21 g/10 min	21 g/10 min	Condition 190/2.16; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM D638
Elongation at Break	>= 600 %	>= 600 %	2 in per min; ASTM D638 Type IV
Flexural Modulus	1.378 GPa	199.9 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -180 °C	<= -292 °F	ASTM D746

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