

Chevron Phillips Marlex® HXM TR-570 High Density Polyethylene (discontinued **)

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

Material Notes:

High Density Polyethylene Customer Benefits: This extra high molecular weight polyethylene is tailored for large containers with exhibit outstanding impact and creep resistance, excellent ESCR, and excellent chemical resistance. **Applications:** Drums Processing

Recommendations: To ensure optimum part quality, maintain a stock temperature of 193-210°C. **Specification Data:** ASTM D1248-Type III, Class A, Category 5 **Property Comments:** Physical Properties reported herein were determined on compression molded specimens prepared in accordance with Procedure C of ASTM D1928. Data provided by Chevron Phillips Chemical Company LP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-HXM-TR-570-High-Density-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.954 g/cc	0.0345 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	1000 hour	1000 hour	Condition A, F₅₀, Condition B: 1000; ASTM D1693
Melt Flow	5.5 g/10 min	5.5 g/10 min	Condition 190/2.16; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	26.0 MPa	3770 psi	2 in per min; ASTM D638, Type IV
Elongation at Break	600 %	600 %	2 in per min; ASTM D638, Type IV
Flexural Modulus	1.28 GPa	186 ksi	ASTM D790

Thermal Properties	Metric	English	Comments
Brittleness Temperature	<= -118 °C	<= -180 °F	ASTM D746

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