

Chevron Phillips Marlex® EHM 6007 High Density Polyethylene

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

Material Notes:

High Density Polyethylene Customer Benefits: A blow molding grade resin that offers a high quality product for those critical food packaging jobs and good impact strength and stiffness. Applications: Lightweight containers for bottling products such as milk, distilled water, soft drink concentrate, and fruit juice. Processing Recommendations: Melting Temperature: Upper Limit: 226°C, Lower Limit: 171°C Specification Data: ASTM D4976 - PE 235. ASTM D1248 - Type IV, Class A, Category 4. Meets FDA regulation 177.1520. Suitable for food packaging applications. Data provided by Chevron Phillips Chemical Company, LP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-EHM-6007-High-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.964 g/cc	0.0348 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	15 hour	15 hour	Condition A, F ₅₀ 100% Igepal CO-630, ASTM D1693; Condition B, F ₅₀ : 10, ASTM D1693
Melt Flow	0.65 g/10 min	0.65 g/10 min	Condition 190/2.16; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	30.0 MPa	4350 psi	2 in per min; ASTM D638 Type IV
Elongation at Break	≥ 300 %	≥ 300 %	2 in per min; ASTM D638 Type IV
Flexural Modulus	1.654 GPa	239.9 ksi	ASTM D790

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

Processing Properties	Metric	English	Comments
Processing Temperature	171 - 226 °C	340 - 439 °F	

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