

Chevron Phillips Marlex® HHM 5502 BZ High Density Ethylene Hexene Copolymer

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

Material Notes:

High Density Ethylene Hexene Copolymer Customer Benefits: This resin eliminates the need for a mold release agent at machine side. Incorporation of zinc stearate at resin extrusion assures uniform, consistent release properties. Applications: Injection blow molding Processing Recommendations: Melting Temperature: Upper Limit: 260°C, Lower Limit: 232°C Specification Data: ASTM D4976 - PE 235. ASTM D1248 - Type III, Class A, Category 5. FDA Regulation 177.1520(c)3.2. Suitable for food packaging. Limited to application temperatures of 100°C and below (Condition B-H, Table 2, 21 CFR 176.170). Listed in Drug Master File Data provided by Chevron Phillips Chemical Company, LP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-HHM-5502-BZ-High-Density-Ethylene-Hexene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.955 g/cc	0.0345 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	45 hour	45 hour	Condition A, F _{>50} , 100% Igepal CO-630, ASTM D1693; Condition B, F _{>50} : 35
Melt Flow	0.35 g/10 min	0.35 g/10 min	Condition 190/2.16; ASTM D1238

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

Processing Properties	Metric	English	Comments
Processing Temperature	232 - 260 °C	450 - 500 °F	

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