

Chevron Phillips Marlex® HHM TR-305 Medium density hexene copolymer

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Molded

Material Notes:

Benefits: good processability, excellent melt strength, broad fusion range, outstanding stress cracking resistance
Applications: geomembrane, gas and chemical containment liners, landfill liners
Information provided by Chevron Phillips Chemical Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-HHM-TR-305-Medium-density-hexene-copolymer.php

Physical Properties	Metric	English	Comments
Density	0.937 g/cc	0.0339 lb/in ³	ASTM D1505
Environmental Stress Crack Resistance	>= 1500 hour @Temperature 50.0 °C	>= 1500 hour @Temperature 122 °F	Condition B; ASTM D 1693
High Load Melt Index	21 g/10 min @Load 21.6 kg, Temperature 190 °C	21 g/10 min @Load 47.6 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	19.0 MPa	2760 psi	ASTM D638 Type IV
Elongation at Break	>= 600 %	>= 600 %	ASTM D638 Type IV
Flexural Modulus	0.780 GPa	113 ksi	ASTM D790

Processing Properties	Metric	English	Comments
Processing Temperature	193 - 210 °C	379 - 410 °F	stock temperature

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