

Chevron Phillips MarFlex® HHM TR-130 MDPE Film Resin

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

Material Notes:

Medium density resin provides overall balance of tensile, impact, and tear properties in film. It is suited for merchandise, produce, and trash bags. Processing performance is excellent on high stalk lines. HHM TR-130 meets FDA regulations for food packaging. Data provided by Chevron Phillips Chemical Company, LP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-MarFlex-HHM-TR-130-MDPE-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.937 g/cc	0.0339 lb/in ³	ASTM D1505
Thickness	25.4 microns	1.00 mil	
Melt Flow	0.30 g/10 min @Load 2.16 kg, Temperature 190 °C	0.30 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
High Load Melt Index	20 g/10 min @Load 21.6 kg, Temperature 190 °C	20 g/10 min @Load 47.6 lb, Temperature 374 °F	HLMI; ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	21.4 MPa	3100 psi	ASTM D882
Film Tensile Strength at Yield, TD	21.4 MPa	3100 psi	ASTM D882
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Elmendorf Tear Strength, MD	1.97 g/micron	50.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	19.7 g/micron	500 g/mil	ASTM D1922
Dart Drop	5.12 g/micron	130 g/mil	26 in (66 cm); ASTM D1709
Film Tensile Strength at Break, MD	42.1 MPa	6100 psi	ASTM D882
Film Tensile Strength at Break, TD	42.1 MPa	6100 psi	ASTM D882

Processing Properties	Metric	English	Comments
Processing Temperature	216 °C	421 °F	
Die Opening	0.0890 cm	0.0350 in	

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