

Chevron Phillips MarFlex® HHM TR 257 LLDPE Blown Film Resin

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Film Grade

Material Notes:

Resin Type: Medium molecular weight distribution
 Characteristics: Combination of toughness and tensile
 Good puncture resistance
 Meets FDA regulations for food packaging below cooking temperatures
 Information provided by Chevron Phillips.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-MarFlex-HHM-TR-257-LLDPE-Blown-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	ASTM D1505
Thickness	25.4 microns	1.00 mil	
Melt Index of Compound	0.30 g/10 min	0.30 g/10 min	Condition 190/2.16; ASTM D1238
	18 g/10 min	18 g/10 min	Condition 190/21.6, HLMI; ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	14.5 MPa	2100 psi	2in/min; ASTM D882
Film Tensile Strength at Yield, TD	12.4 MPa	1800 psi	2in/min; ASTM D882
Film Elongation at Break, MD	500 %	500 %	2in/min; ASTM D882
Film Elongation at Break, TD	600 %	600 %	2in/min; ASTM D882
Elmendorf Tear Strength, MD	3.74 g/micron	95.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	17.7 g/micron	450 g/mil	ASTM D1922
Dart Drop	13.8 g/micron	350 g/mil	26" Drop Height; ASTM D1709
Film Tensile Strength at Break, MD	45.2 MPa	6550 psi	2in/min; ASTM D882
Film Tensile Strength at Break, TD	43.4 MPa	6300 psi	2in/min; ASTM D882

Processing Properties	Metric	English	Comments
Blow-up Ratio (BUR)	4.0	4.0	

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