

Chevron Phillips Marlex® D252/257 Linear Low Density Polyethylene Film Resin (discontinued **)

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

Material Notes:

Low Density, Linear Polyethylene Film Resin Customer Benefits: This unique broad molecular weight distribution resin has a wide processing window and produces film with an excellent combination of toughness and tensile. D252/257 may be used straight, in blends, or coextruded with HMW-HDPE, LLDPE, and LDPE. It is especially well suited in blends with LLDPE to increase melt strength and processing rate of LLDPE. In thick gauge heavy duty applications, the benefit of the high molecular weight tail is seen in puncture resistance.

Processing is excellent on many types of equipment and under a variety of conditions, including high stalk. Meets FDA regulations for food packaging below cooking temperatures. D256 contains premium stabilizer. Applications: Heavy wall bags Property Comments: HDPE line, 4:1 BUR, .035" gap, 8" die, 56" FLH, 240 lbs/hr, 420°F Data provided by Chevron Phillips Chemical Company LP.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chevron-Phillips-Marlex-D252257-Linear-Low-Density-Polyethylene-Film-Resin-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in ³	ASTM D1505
Melt Flow	0.30 g/10 min	0.30 g/10 min	Condition 190/2.16; ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	15.0 MPa	2180 psi	2 in per min; ASTM D882
Film Tensile Strength at Yield, TD	13.0 MPa	1890 psi	2 in per min; ASTM D882
Film Elongation at Break, MD	500 %	500 %	2 in per min; ASTM D882
Film Elongation at Break, TD	600 %	600 %	2 in per min; ASTM D882
Elmendorf Tear Strength MD	95 g	95 g	ASTM D1922
Elmendorf Tear Strength TD	450 g	450 g	ASTM D1922
Dart Drop Test	350 g	0.772 lb	26 in; ASTM D1709
Film Tensile Strength at Break, MD	45.0 MPa	6530 psi	2 in per min; ASTM D882
Film Tensile Strength at Break, TD	43.0 MPa	6240 psi	2 in per min; ASTM D882

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