

Huntsman Rexell® M3107 Blown Film Extrusion LLDPE (discontinued **)

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

Material Notes:

Linear-low medium density copolymer, cast film extrusion, FDA compliant
Features: Excellent combination of stiffness, heat resistance, and impermeability to water vapor.
Applications: Food packaging, multi-layer systems, and personal care films.
FDA Notes: Conforms to FDA regulation 21 CFR 177.1520 (c)3.2.a
Film properties based on 0.95 guage (24 µm) thickness; blow-up ratio 2:1.
 Information provided by Huntsman Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Huntsman-Rexell-M3107-Blown-Film-Extrusion-LLDPE-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.936 g/cc	0.0338 lb/in ³	ASTM D1505
Thickness	24.1 microns	0.950 mil	
Melt Flow	4.4 g/10 min	4.4 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Secant Modulus, MD	0.290 GPa	42.1 ksi	ASTM D882
Secant Modulus, TD	0.340 GPa	49.3 ksi	ASTM D882
Elmendorf Tear Strength MD	40 g	40 g	ASTM D1922
Elmendorf Tear Strength TD	450 g	450 g	ASTM D1922
Elmendorf Tear Strength, MD	1.65 g/micron	42.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	18.7 g/micron	474 g/mil	ASTM D1922
Dart Drop	2.09 g/micron	53.0 g/mil	ASTM D1709
Dart Drop Test	50.0 g	0.110 lb	ASTM D1709
Film Tensile Strength at Break, MD	36.0 MPa	5220 psi	ASTM D882
Film Tensile Strength at Break, TD	18.0 MPa	2610 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	2.1 %	2.1 %	ASTM D1003
Gloss	90 %	90 %	at 45°; ASTM D523

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	260 - 290 °C Metric	500 - 554 °F English	Comments
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