

Huntsman Rexell® V3101 Blown Film Extrusion LLDPE (discontinued **)

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

Material Notes:

Linear-low very low density copolymer, cast film extrusion, FDA compliant. Features: High toughness, puncture resistance with good sealing and excellent optical properties. Applications: Food packaging and multi-layer systems. FDA Notes: Conforms to FDA regulation 21 CFR 177.1520 (c)3.1.b. 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-V3101-Blown-Film-Extrusion-LLDPE-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.914 g/cc	0.0330 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
Film Elongation at Break, MD	470 %	470 %	ASTM D882
Film Elongation at Break, TD	690 %	690 %	ASTM D882
Secant Modulus, MD	0.0760 GPa	11.0 ksi	ASTM D882
Secant Modulus, TD	0.0830 GPa	12.0 ksi	ASTM D882
Elmendorf Tear Strength MD	450 g	450 g	ASTM D1922
Elmendorf Tear Strength TD	530 g	530 g	ASTM D1922
Elmendorf Tear Strength, MD	18.7 g/micron	474 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	22.0 g/micron	558 g/mil	ASTM D1922
Dart Drop	12.4 g/micron	316 g/mil	ASTM D1709
Dart Drop Test	300 g	0.662 lb	ASTM D1709
Film Tensile Strength at Break, MD	33.0 MPa	4790 psi	ASTM D882
Film Tensile Strength at Break, TD	17.0 MPa	2470 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	1.0 %	1.0 %	ASTM D1003
Gloss	92 %	92 %	at 45°; ASTM D523

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

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