

Huntsman Rexell® L8101 Cast Film Extrusion LLDPE (discontinued **)

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

Material Notes:

Linear-low density copolymer, general purpose blown film extrusion, FDA compliant. Features: Excellent combination of sealability, mechanical strength and optics. Applications: Sealing layer in coextruded films principally for food packaging, heavy duty shipping sacks, and general purpose film. FDA Notes: Conforms to FDA regulation 21 CFR 177.1520 (c)3.2a. Film properties based on 1.0 guage (25 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-L8101-Cast-Film-Extrusion-LLDPE-nbspdiscontinued-.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------------|---------------------------|------------|
| Density | 0.920 g/cc | 0.0332 lb/in ³ | ASTM D1505 |
| Thickness | 25.4 microns | 1.00 mil | |
| Melt Flow | 1.1 g/10 min | 1.1 g/10 min | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|---------------|-------------|------------|
| Film Elongation at Break, MD | 690 % | 690 % | ASTM D882 |
| Film Elongation at Break, TD | >= 700 % | >= 700 % | ASTM D882 |
| Secant Modulus, MD | 0.172 GPa | 24.9 ksi | ASTM D882 |
| Secant Modulus, TD | 0.186 GPa | 27.0 ksi | ASTM D882 |
| Elmendorf Tear Strength MD | 460 g | 460 g | ASTM D1922 |
| Elmendorf Tear Strength TD | 950 g | 950 g | ASTM D1922 |
| Elmendorf Tear Strength, MD | 18.1 g/micron | 460 g/mil | ASTM D1922 |
| Elmendorf Tear Strength, TD | 37.4 g/micron | 950 g/mil | ASTM D1922 |
| Dart Drop | 11.4 g/micron | 290 g/mil | ASTM D1709 |
| Dart Drop Test | 290 g | 0.639 lb | ASTM D1709 |
| Film Tensile Strength at Break, MD | 40.0 MPa | 5800 psi | ASTM D882 |
| Film Tensile Strength at Break, TD | >= 19.0 MPa | >= 2760 psi | ASTM D882 |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|-------------------|
| Haze | 9.0 % | 9.0 % | ASTM D1003 |
| Gloss | 66 % | 66 % | at 45°; ASTM D523 |

| Optical Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|----------|
| Processing Properties | Metric | English | Comments |
| Melt Temperature | 205 - 245 °C | 401 - 473 °F | |

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