

ExxonMobil LD 105.BR Very High Clarity Packaging Film Resin

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

Material Notes:

Product Description: LD 105 resins are homopolymer packaging film resins designed for applications requiring outstanding clarity with good stiffness. These resins can be processed in either blown or cast film equipment. In blown film equipment LD 105.30 can be drawn down to 1.0 mil gauge.
Availability: Latin America, North America and South America
Additive: Antiblock: 1000 ppm Slip: 750 ppm
Thermal Stabilizer: Yes
Applications: Blend Partner Bread Bags Display Packaging Film Food packaging Form Fill and Seal Packaging Freezer Film High Clarity Film High Quality Lamination Lamination Film Laundry Film Light Duty Shrink Film Produce Bags Salad Bags Textile Packaging Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD-105BR-Very-High-Clarity-Packaging-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	ExxonMobil Method
Thickness	38.1 microns	1.50 mil	
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	1000 ppm	1000 ppm	
Slip Level	750 ppm	750 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	11.0 MPa	1600 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	ASTM D882
Film Elongation at Break, MD	210 %	210 %	ASTM D882
Film Elongation at Break, TD	570 %	570 %	ASTM D882
Puncture Energy	0.757 J	0.558 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	350 g	350 g	ASTM D1922
Elmendorf Tear Strength TD	190 g	190 g	ASTM D1922
Dart Drop Test	100 g	0.221 lb	ASTM D1709
Film Tensile Strength at Break, MD	24.9 MPa	3610 psi	ASTM D882
Film Tensile Strength at Break, TD	21.4 MPa	3100 psi	ASTM D882
1% Secant Modulus, MD			ASTM D882

Mechanical Properties	214 MPa Metric	31000 psi English	Comments
1% Secant Modulus, TD	255 MPa	37000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	111 °C	232 °F	Peak Melting Temperature; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	5.2 %	5.2 %	ASTM D1003
Gloss	76 %	76 %	45°; ASTM D2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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