

ExxonMobil LD 071.MU Blown Film Resin (discontinued **)

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

Material Notes:

LD 071 series case wrap film resins combine good processability with excellent strength and good film optics for bundling applications requiring proper shrink performance, toughness, burn-through resistance and clarity. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD-071MU-Blown-Film-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in ³	ExxonMobil Method
Thickness	50.8 microns	2.00 mil	
Melt Flow	0.70 g/10 min	0.70 g/10 min	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	11.4 MPa	1650 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	11.8 MPa	1710 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	230 %	230 %	ASTM D882
Film Elongation at Break, TD	630 %	630 %	ASTM D882
Film Elongation at Yield, MD	6.0 %	6.0 %	ASTM D882
Film Elongation at Yield, TD	5.1 %	5.1 %	ASTM D882
Elmendorf Tear Strength MD	430 g	430 g	ASTM D1922
Elmendorf Tear Strength TD	150 g	150 g	ASTM D1922
Elmendorf Tear Strength, MD	8.46 g/micron	215 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	2.95 g/micron	75.0 g/mil	ASTM D1922
Dart Drop	3.35 g/micron	85.0 g/mil	ASTM D1709
Dart Drop Test	170 g	0.375 lb	ASTM D1709
Film Tensile Strength at Break, MD	27.9 MPa	4040 psi	ASTM D882
Film Tensile Strength at Break, TD	27.1 MPa	3930 psi	ASTM D882
1% Secant Modulus, MD	232 MPa	33700 psi	ASTM D882
1% Secant Modulus, TD	197 MPa	28600 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	112 °C	234 °F	Peak Melting Temperature; ExxonMobil Method
Crystallization Temperature	99.0 °C	210 °F	ExxonMobil Method
Vicat Softening Point	97.2 °C	207 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	7.0 %	7.0 %	ASTM D1003
Gloss	65 %	65 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
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Features	Thermal Stabilizer	
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