

ExxonMobil Escorene® LD 701.ID Blown Film Resin

Category : Polymer , Film , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Film Grade

Material Notes:

Escorene Ultra LD 701.ID is a fraction melt index, 10.5 wt% vinyl acetate copolymer specialty film resin for applications requiring outstanding heat sealability, strength and toughness, particularly at low temperatures. Availability: Latin America, North America and South America Additive: Antiblock: NoSlip: NoThermal Stabilizer: Yes Applications: Freezer Film Heat Seal Layer Liquid Packaging Profile Extrusion Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LD-701ID-Blown-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.932 g/cc	0.0337 lb/in ³	ExxonMobil Method
Vinyl Acetate Content	10.1 %	10.1 %	ExxonMobil Method
Melt Flow	0.190 g/10 min @Load 2.16 kg, Temperature 190 °C	0.190 g/10 min @Load 4.76 lb, Temperature 374 °F	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	300 %	300 %	ASTM D882
Film Elongation at Break, TD	620 %	620 %	ASTM D882
Elmendorf Tear Strength, MD	1.77 g/micron	45.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	1.67 g/micron	42.5 g/mil	ASTM D1922
Dart Drop	13.0 g/micron	330 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	35.2 MPa	5100 psi	ASTM D882
Film Tensile Strength at Break, TD	35.2 MPa	5100 psi	ASTM D882
1% Secant Modulus, MD	110 MPa	16000 psi	ASTM D882
1% Secant Modulus, TD	124 MPa	18000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	97.8 °C	208 °F	Peak Melting Temperature; ExxonMobil Method
Vicat Softening Point	82.8 °C	181 °F	ASTM D1525

Optical Properties	Metric	English	Comments
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Optical Properties	Metric	English	Comments ¹³
Gloss	70 %	70 %	45°; ASTM D2457

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