

ExxonMobil Escorene® LD 720.01 Specialty Film Resin

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

Material Notes:

Escorene Ultra LD 720 resins are high vinyl acetate copolymer specialty film resins designed for applications requiring outstanding heat sealability, along with excellent strength properties and toughness. These resins are also used in specialized molding applications. Availability: Latin America, North America and South America Additive: Antiblock: 10000 ppm Slip: 7050 ppm Thermal Stabilizer: Yes Applications: Heat Seal Layer Injection Molding Shoe Soles Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LD-72001-Specialty-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.941 g/cc	0.0340 lb/in ³	ExxonMobil Method
Vinyl Acetate Content	18.5 %	18.5 %	ExxonMobil Method
Melt Flow	1.60 g/10 min @Load 2.16 kg, Temperature 190 °C	1.60 g/10 min @Load 4.76 lb, Temperature 374 °F	ExxonMobil Method
Antiblock Level	10000 ppm	10000 ppm	
Slip Level	7050 ppm	7050 ppm	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	180 %	180 %	ASTM D882
Film Elongation at Break, TD	650 %	650 %	ASTM D882
Elmendorf Tear Strength MD	40 g	40 g	ASTM D1922
Elmendorf Tear Strength TD	80 g	80 g	ASTM D1922
Dart Drop Test	370 g	0.816 lb	ASTM D1709A
Film Tensile Strength at Break, MD	26.9 MPa	3900 psi	ASTM D882
Film Tensile Strength at Break, TD	27.6 MPa	4000 psi	ASTM D882
1% Secant Modulus, MD	65.5 MPa	9500 psi	ASTM D882
1% Secant Modulus, TD	68.9 MPa	10000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	86.1 °C	187 °F	Peak Melting Temperature; ExxonMobil Method

Vicat Softening Point Thermal Properties	62.2 °C Metric	144 °F English	ASTM D1525 Comments
Optical Properties	Metric	English	Comments
Haze	28 %	28 %	ASTM D1003
Gloss	49 %	49 %	45°C; ASTM D2457

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