

ExxonMobil Escorene™ LD 705.MJ Blown Ethylene Vinyl Acetate Copolymer

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

Product Description: Escorene Ultra LD 705.MJ is a fractional melt index, 12.8 wt% vinyl acetate copolymer specialty film resin for applications requiring outstanding heat sealability, strength, and toughness.Availability: Latin America, North America and South AmericaAdditive:Antiblock: NoSlip: NoThermal Stabilizer: Yes Applications: CompoundingFreezer FilmHeat Seal LayerLiquid PackagingPrimal Meat BagsProfile ExtrusionStretch FilmInformation provided by ExxonMobil

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-Escorene-LD-705MJ-Blown-Ethylene-Vinyl-Acetate-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in³	ExxonMobil method
Vinyl Acetate Content	12.8 %	12.8 %	ExxonMobil method
Melt Flow	0.40 g/10 min @Load 2.16 kg, Temperature 190 °C	0.40 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	77 @Time 15.0 sec	77 @Time 0.00417 hour	ASTM D2240
Hardness, Shore D	39 @Time 15.0 sec	39 @Time 0.00417 hour	ASTM D2240
Tensile Strength at Break	15.9 MPa	2300 psi	ASTM D638
Tensile Strength, Yield	6.34 MPa	920 psi	ASTM D638
Elongation at Break	>= 800 %	>= 800 %	ASTM D638
Elongation at Yield	180 %	180 %	ASTM D638
Flexural Modulus, 1% Secant	89.6 MPa	13000 psi	ASTM D790
Dart Drop, Total Energy	19.0 J @Temperature 22.8 °C	14.0 ft-lb @Temperature 73.0 °F	ASTM D3763
	32.5 J @Temperature -40.0 °C	24.0 ft-lb @Temperature -40.0 °F	ASTM D3763

Thermal Properties	Metric	English	Comments
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Melting Point Thermal Properties	<= 201 °C Metric	<= 394 °F English	Peak Melting Point; ExxonMobil Method Comments
Vicat Softening Point	77.2 °C	171 °F	ASTM D1525

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