

Escorene™ Ultra LD 730.NM Blown

Ethylene Vinyl Acetate Copolymer Resin

Product Description

Escorene™ Ultra LD 730.NM is a 17.2 wt% vinyl acetate copolymer resin. LD 730.NM is designed to have superior strength and toughness combined with excellent optics and sealing properties.

General

Availability ¹	- Latin America - North America
Additive	LD 730.NM: Antiblock: No; Slip: No; Thermal Stabilizer: Yes
Applications	- Heat Seal Layer - Pallet Shrink Film - Stretch Film
Revision Date	06/11/2020

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.940 g/cm ³	0.940 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	0.70 g/10 min	0.70 g/10 min	ASTM D1238
Vinyl Acetate Content	17.2 wt%	17.2 wt%	ExxonMobil Method
Peak Melting Temperature	190 °F	88 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	149 °F	65.0 °C	ExxonMobil Method

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break MD	5400 psi	37 MPa	ASTM D882
Tensile Strength at Break TD	5500 psi	38 MPa	ASTM D882
Elongation at Break MD	360 %	360 %	ASTM D882
Elongation at Break TD	660 %	660 %	ASTM D882
Secant Modulus MD - 1% Secant	8300 psi	57 MPa	ASTM D882
Secant Modulus TD - 1% Secant	9300 psi	64 MPa	ASTM D882
Dart Drop Impact	670 g	670 g	ASTM D1709A
Elmendorf Tear Strength MD	50 g	50 g	ASTM D1922
Elmendorf Tear Strength TD	120 g	120 g	ASTM D1922
Puncture Force	20 lbf	88 N	ExxonMobil Method
Puncture Energy	54 in-lb	6.1 J	ExxonMobil Method

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	86	86	ASTM D2457
Haze	1.5 %	1.5 %	ASTM D1003

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product is not intended for use in medical applications and should not be used in any such applications.

Processing Statement

Film (2 mil / 50.8 micron) made from LD 730.09 on a 2.5 inch blown film line with a 6 inch die and 30 mil die gap at a 2.5:1 blow-up ratio and a melt temperature of 360-380°F (182-193°C).

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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