

Product Datasheet



Escorene™ Ultra LD 768.MJ Blown Ethylene Vinyl Acetate Copolymer Resin

Product Description

Escorene Ultra LD 768.MJ is a low gel 26.2 wt% vinyl acetate copolymer designed for film and compounding applications. This resin provides very low modulus films with high tensile strength and impact strength.

General

Availability ¹	▪ Asia Pacific	▪ Latin America	▪ North America
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Batch Inclusion Bags	▪ Elastic Films	▪ High Frequency Sealing
Revision Date	▪ 06/11/2020		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.952 g/cm ³	0.952 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	2.3 g/10 min	2.3 g/10 min	ASTM D1238
Vinyl Acetate Content	26.2 wt%	26.2 wt%	ExxonMobil Method
Peak Melting Temperature	167 °F	75 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	118 °F	48.0 °C	ExxonMobil Method

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break MD	5300 psi	36 MPa	ASTM D882
Tensile Strength at Break TD	5700 psi	39 MPa	ASTM D882
Elongation at Break MD	420 %	420 %	ASTM D882
Elongation at Break TD	710 %	710 %	ASTM D882
Secant Modulus MD - 1% Secant	3900 psi	27 MPa	ASTM D882
Secant Modulus TD - 1% Secant	4400 psi	30 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	520 g	520 g	ASTM D1922
Puncture Force	17 lbf	77 N	ExxonMobil Method
Puncture Energy	53 in-lb	6.0 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 768.MJ 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 330-335°F (166-169°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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ExxonMobil

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

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