

Escorene™ Ultra LD 701.ID

Ethylene Vinyl Acetate Copolymer Resin

Product Description

Escorene Ultra LD 701.ID is a fractional melt index, 10.1 wt% vinyl acetate copolymer specialty film resin for applications requiring outstanding heat sealability, strength, and toughness, particularly at low temperatures.

General

Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Freezer Film ▪ Heat Seal Layer	▪ Liquid Packaging ▪ Profile Extrusion	

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.932 g/cm ³	0.932 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	0.19 g/10 min	0.19 g/10 min	ASTM D1238
Vinyl Acetate Content	10.1 wt%	10.1 wt%	ExxonMobil Method
Peak Melting Temperature	208 °F	98 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	181 °F	83 °C	ASTM D1525

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break MD	5100 psi	35 MPa	ASTM D882
Tensile Strength at Break TD	5100 psi	35 MPa	ASTM D882
Elongation at Break MD	300 %	300 %	ASTM D882
Elongation at Break TD	620 %	620 %	ASTM D882
Secant Modulus MD - 1% Secant	16000 psi	110 MPa	ASTM D882
Secant Modulus TD - 1% Secant	18000 psi	120 MPa	ASTM D882
Dart Drop Impact	660 g	660 g	ASTM D1709A
Elmendorf Tear Strength MD	90 g	90 g	ASTM D1922
Elmendorf Tear Strength TD	90 g	90 g	ASTM D1922

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	70	70	ASTM D2457
Haze	5.0 %	5.0 %	ASTM D1003

Legal Statement

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

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

Processing Statement

Film (2 mil / 50.8 micron) made from LD 701.ID on a 2.5 inch blown film line having a 6 inch die with a 30 mil die gap at a 2.5:1 blow-up ratio and melt temperature of 386–396°F (197–202°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.