

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

Availability ¹	▪ Asia Pacific	▪ Latin America	▪ North America
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Freezer Film ▪ Heat Seal Layer	▪ Liquid Packaging ▪ Profile Extrusion	
Revision Date	▪ 03/01/2010		

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

