

# Escorene™ Ultra LD 720 Series

## Ethylene Vinyl Acetate Copolymer Resin

### Product Description

Escorene Ultra LD 720 resins are high vinyl acetate copolymer specialty film resins designed for applications requiring outstanding heat sealability, along with excellent strength properties and toughness. These resins are also used in specialized molding applications.

### General

Availability <sup>1</sup>	▪ Asia Pacific	▪ Latin America	▪ North America
Additive	▪ LD 720.62: Antiblock: No; Slip: No; Thermal Stabilizer: Yes	▪ LD 720.01: Antiblock: 10000 ppm; Slip: 7050 ppm; Thermal Stabilizer: Yes	
Applications	▪ Heat Seal Layer	▪ Injection Molding	▪ Shoe Soles
Revision Date	▪ 03/01/2010		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.941 g/cm <sup>3</sup>	0.941 g/cm <sup>3</sup>	ExxonMobil Method
Melt Index (190°C/2.16 kg)	1.6 g/10 min	1.6 g/10 min	ASTM D1238
Vinyl Acetate Content	18.5 wt%	18.5 wt%	ExxonMobil Method
Peak Melting Temperature	187 °F	86 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	144 °F	62 °C	ASTM D1525

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break MD	3900 psi	27 MPa	ASTM D882
Tensile Strength at Break TD	4000 psi	28 MPa	ASTM D882
Elongation at Break MD	180 %	180 %	ASTM D882
Elongation at Break TD	650 %	650 %	ASTM D882
Secant Modulus MD - 1% Secant	9500 psi	65 MPa	ASTM D882
Secant Modulus TD - 1% Secant	10000 psi	71 MPa	ASTM D882
Dart Drop Impact	370 g	370 g	ASTM D1709A
Elmendorf Tear Strength MD	40 g	40 g	ASTM D1922
Elmendorf Tear Strength TD	80 g	80 g	ASTM D1922

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	49	49	ASTM D2457
Haze	28 %	28 %	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 (1.5 mil / 38 micron) made from LD 720.01 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 melt temperature of 334-351°F (168-177°C).

### Notes

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

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

HongRong Engineering Plastics Co.,Ltd.  
Head Office Tel. +852-6957-5415  
Research Center Tel.+188 1699 6168

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HongRong Engineering Plastics Co.,Ltd.  
Head Office Tel. +85-2-6957-5415  
Research Center Tel.+188 1699 6168