

# Escorene™ Ultra LD 721.IK

## Ethylene Vinyl Acetate Copolymer Resin

### Product Description

Escorene Ultra LD 721.IK is a high vinyl acetate copolymer specialty film resin providing outstanding heat sealability, along with excellent strength properties and clarity.

### General

Availability <sup>1</sup>	▪ Asia Pacific	▪ Latin America	▪ North America
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Heat Seal Layer	▪ Stretch Film	
Revision Date	▪ 03/01/2010		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.942 g/cm <sup>3</sup>	0.942 g/cm <sup>3</sup>	ExxonMobil Method
Melt Index (190°C/2.16 kg)	2.5 g/10 min	2.5 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	5400 psi	37 MPa	ASTM D882
Tensile Strength at Break TD	4900 psi	33 MPa	ASTM D882
Elongation at Break MD	320 %	320 %	ASTM D882
Elongation at Break TD	740 %	740 %	ASTM D882
Secant Modulus MD - 1% Secant	9200 psi	63 MPa	ASTM D882
Secant Modulus TD - 1% Secant	10000 psi	71 MPa	ASTM D882
Dart Drop Impact	310 g	310 g	ASTM D1709A
Elmendorf Tear Strength MD	50 g	50 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°)	85	85	ASTM D2457
Haze	1.4 %	1.4 %	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 (1.5 mil / 38 micron) made from LD 721.IK 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 332-334°F (166-168°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.

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