

Escorene™ Ultra FL 00014

Ethylene Vinyl Acetate Copolymer Resin

Product Description

FL 00014 is a fractional MI copolymer of ethylene and vinyl acetate. For film requiring very high toughness, low creep, excellent optical properties and low gel.

General

Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Bag in Box ▪ Batch Inclusion Bags	▪ Blown Film ▪ Food packaging	▪ Protective Film
Revision Date	▪ 06/01/2013		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.937 g/cm ³	0.937 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	0.25 g/10 min	0.25 g/10 min	ASTM D1238
Vinyl Acetate Content	14.0 wt%	14.0 wt%	ExxonMobil Method
Peak Melting Temperature	201 °F	94 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	169 °F	76 °C	ASTM D1525

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break MD	4800 psi	33 MPa	ASTM D882
Tensile Strength at Break TD	5100 psi	35 MPa	ASTM D882
Elongation at Break MD	610 %	610 %	ASTM D882
Elongation at Break TD	670 %	670 %	ASTM D882
Secant Modulus MD - 1% Secant	9400 psi	65 MPa	ASTM D882
Secant Modulus TD - 1% Secant	9900 psi	68 MPa	ASTM D882

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	87	87	ASTM D2457
Haze	1.9 %	1.9 %	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 properties were measured on a 100µm (3.94 mil) thick film extruded on a conventional LDPE extruder (screw diameter 60mm (2.36 in), rotating die diameter : 200mm (7.87 in), die gap : 1 mm (39.4mil), BUR 2.5:1, die temperature 190°C (374F))

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.