

Escorene™ Ultra FL 00206

Ethylene Vinyl Acetate Copolymer Resin

Product Description

FL 00206 is a copolymer of ethylene and vinyl acetate. Processing Conditions Processing temperatures above 280 °C (536 °F) may cause resin degradation. Machines should always be purged with LDPE or a suitable cleaning compound before shutdown.

General

Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Co-Extrusion Films ▪ Form Fill And Seal Packaging	▪ Injection Molding ▪ Skin Packaging	

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.925 g/cm ³	0.925 g/cm ³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	2.5 g/10 min	2.5 g/10 min	ASTM D1238
Vinyl Acetate Content	6.5 wt%	6.5 wt%	ExxonMobil Method
Peak Melting Temperature	212 °F	100 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	178 °F	81 °C	ASTM D1525

Molded Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Modulus	15000 psi	110 MPa	ISO 527-2/1A/1
Tensile Strain at Break	> 100 %	> 100 %	ISO 527-2/1A
Shore Hardness (Shore A)	94	94	ISO 868

Film Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Break MD	3500 psi	24 MPa	ASTM D882
Tensile Strength at Break TD	3200 psi	22 MPa	ASTM D882
Elongation at Break MD	400 %	400 %	ASTM D882
Elongation at Break TD	600 %	600 %	ASTM D882
Secant Modulus MD - 1% Secant	17000 psi	120 MPa	ASTM D882
Secant Modulus TD - 1% Secant	20000 psi	140 MPa	ASTM D882
Dart Drop Impact	280 g	280 g	ASTM D1709A
Elmendorf Tear Strength MD	130 g	130 g	ASTM D1922
Elmendorf Tear Strength TD	130 g	130 g	ASTM D1922

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 properties were measured on a 50 µm (1.97 mil) film extruded on a conventional LDPE extruder. (Extruder screw diameter : 60 mm (2.36 in), rotating die diameter : 200 mm (7.87 in), die gap : 1 mm (39.4 mil), BUR : 2:1, die temperature : 180°C, 356°F) The molded properties were measured on 4 mm (157.5 mil) thick injection molded specimen based on ISO 1872-2.

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.