

Product Datasheet



Escorene™ Ultra FL 00218

Ethylene Vinyl Acetate Copolymer Resin

Product Description

FL 00218 is a copolymer of ethylene and vinyl acetate offering low gel. Processing Conditions Processing temperatures above 240 °C (464 °F) may cause resin degradation. Machines should always be completely purged with LDPE or a suitable cleaning compound before shutdown.

General

Availability ¹	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Agricultural Film ▪ Blown Film ▪ Cast Film	▪ Co-Extrusion Films ▪ Extrusion Coating ▪ Lamination Film	▪ Tube Extrusion
Revision Date	▪ 01/01/2017		

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.940 g/cm ³	0.940 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	1.7 g/10 min	1.7 g/10 min	ASTM D1238
Vinyl Acetate Content	18.0 wt%	18.0 wt%	ExxonMobil Method
Peak Melting Temperature	188 °F	87 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	143 °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	5200 psi	36 MPa	ASTM D882
Elongation at Break MD	550 %	550 %	ASTM D882
Elongation at Break TD	720 %	720 %	ASTM D882
Secant Modulus MD - 1% Secant	7000 psi	48 MPa	ASTM D882
Secant Modulus TD - 1% Secant	7500 psi	52 MPa	ASTM D882
Dart Drop Impact	660 g	660 g	ASTM D1709A
Elmendorf Tear Strength MD	70 g	70 g	ASTM D1922
Elmendorf Tear Strength TD	170 g	170 g	ASTM D1922

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 50µm (1.97 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 180°C (356°F)).

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.

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ExxonMobil

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For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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