

Escorene™ Ultra FL 00018

Ethylene Vinyl Acetate Copolymer Resin

Product Description

FL 00018 is a fractional MI copolymer of ethylene and vinyl acetate. It offers combined toughness, good optical and sealing properties and low gel. In particular, its good behaviour in high frequency sealing, RF, is much appreciated.

General

Availability ¹	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Co-Extrusion Films ▪ Heavy Duty Bags	▪ Pallet Shrink Film ▪ Profile Extrusion	▪ Stretch Film
Revision Date	▪ 07/01/2017		

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)	0.37 g/10 min	0.37 g/10 min	ExxonMobil Method
Vinyl Acetate Content	17.5 wt%	17.5 wt%	ExxonMobil Method
Peak Melting Temperature	191 °F	88 °C	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature	154 °F	68 °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	5500 psi	38 MPa	ASTM D882
Elongation at Break MD	590 %	590 %	ASTM D882
Elongation at Break TD	660 %	660 %	ASTM D882
Secant Modulus MD - 1% Secant	7500 psi	51 MPa	ASTM D882
Secant Modulus TD - 1% Secant	8000 psi	55 MPa	ASTM D882

Optical Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Gloss (45°)	91	91	ASTM D2457
Haze	0.8 %	0.8 %	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.

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