Escorene™ Ultra FL 00909

Ethylene Vinyl Acetate Copolymer Resin

Product Description

FL 00909 is used in extrusion coating, cast film and co-extrusion .
FL 00909 is a good sealing material with good optical properties.
Processing Conditions
Excellent results are obtained in extrusion coating at 250°C (482°F) temperature range.
Processing temperatures above 270°C (518°F) may cause resin degradation.
FL00909 should be fed into the extruder after LDPE of a similar or higher melt index. Machines should always be purged with LDPE or a suitable cleaning compound before shutdown.

General

Availability [1]	• Africa & Middle East	• Europe	
Additive	• Antiblock: No	• Slip: No	• Thermal Stabilizer: No
Applications	• Adhesion Promoter • Barrier Food Packaging • Coextrusion Coating	• Extrusion Coating • Extrusion Lamination • Flexible Packaging	• Injection Molding
Revision Date	• March 2010		

Resin Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Density	0.928	g/cm³	0.928	g/cm³	ExxonMobil Method
Melt Index (190°C/2.16 kg)	9.0	g/10 min	9.0	g/10 min	ASTM D1238
Vinyl Acetate Content	9.4	wt%	9.4	wt%	ExxonMobil Method
Peak Melting Temperature	203	°F	95	°C	ExxonMobil Method

Thermal	Typical Value	(English)	Typical Value	(SI)	Test Based On
Vicat Softening Temperature	162	°F	72.0	°C	ASTM D1525

Molded Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Tensile Modulus	10700	psi	74.0	MPa	ISO 527-2/1
Tensile Stress at 100% Strain	1160	psi	8.00	MPa	ISO 527-2/1A
Tensile Strain at Break	> 100	%	> 100	%	ISO 527-2/1A/100
Shore Hardness (Shore A, 15 sec)	93		93		ISO 868

Coating Properties	Typical Value	(English)	Typical Value	(SI)	Test Based On
Draw Down [2]	374	ft/min	114	m/min	ExxonMobil Method
Neck-in [2] (164 ft/min (50 m/min))	2.4	in	6.0	cm	ExxonMobil Method

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.

Typical properties: these are not to be construed as specifications.

Processing Statement
Coating property values obtained on a pilot coextrusion coating line at ExxonMobil Europe Technical Center, at an air gap of 170 mm (6.22 in). The molded properties were measured on 4 mm (157.5 mil) thick injection molded specimen based on ISO 1872-2. Typical values based on non-additivated grade.

Notes

[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.

[2] Constant output at 35 rpm, 482°F (250°C)

Typical properties: these are not to be construed as specifications.