ExxonMobil

Escorene™ Ultra FL 02020

Ethylene Vinyl Acetate Copolymer Resin

Product Description

FL 02020 is primarily designed for high speed/low coating weight extrusion coating and is a good coextrusion partner with other polymers. FL 02020 is an excellent sealing material with a very low seal initiation temperature, high clarity, and low gel. Excellent results are obtained in extrusion coating at 220°C (428°F) temperature range. Processing temperatures above 240°C (464°F) may cause resin degradation. FL 02020 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	▪ Asia Pacific	▪ Europe
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: Yes
Applications	▪ Adhesive Lamination ▪ Adhesive Layer onto OPP ▪ Barrier Food Packaging ▪ Cling Layer ▪ Coextrusion Coating ▪ Compounding ▪ Document Plastification	▪ Extrusion Coating ▪ Extrusion Lamination ▪ Flexible Packaging ▪ High Frequency Sealing ▪ Industrial Packaging ▪ Injection Molding ▪ Masterbatch Base Resin	▪ Non-Woven Coating ▪ PVC Replacement ▪ Surface Protection Film ▪ Thermal Lamination ▪ Wire and Cable Compounds
Revision Date	▪ 01/01/2018		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.940	g/cm³	0.940	g/cm³	ASTM D1505
Melt Index [2] (190°C/2.16 kg)	20	g/10 min	20	g/10 min	ASTM D1238
Vinyl Acetate Content	20.0	wt%	20.0	wt%	ExxonMobil Method
Peak Melting Temperature	177	°F	80	°C	ExxonMobil Method

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	118	°F	48	°C	ASTM D1525

Molded Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Modulus (0.20 in/min (5.0 mm/min))	4500	psi	31	MPa	ASTM D638
Tensile Strength at Break					ASTM D638
20 in/min (500 mm/min)	1200	psi	8.2	MPa	
Elongation at Break (20 in/min (500 mm/min))	830	%	830	%	ASTM D638
Durometer Hardness					ASTM D2240
Shore A, 15 sec	87		87		
Shore D, 15 sec	29		29		

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

Molded properties were measured on 2 mm (78.7 mil) thick compression molded plaques prepared based on ASTM D4703 Procedure C (Tensile ASTM D638 : Type IV dumbbell, Hardness ASTM D2240 : 3 plied up disks) and 4 mm (157 mil) for VICAT.

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.

[2] Value reported is an estimate based on ExxonMobil's correlation from melt flow rate data measured at other standard conditions, based on ASTM D1238.

ExxonMobil

Escorene™ Ultra FL 02020
Ethylene Vinyl Acetate Copolymer Resin

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

exxonmobilchemical.com