Product Datasheet

ExxonMobil

Escorene™ Ultra FL 00728CC

Ethylene Vinyl Acetate Copolymer Resin

Product Description

FL 00728CC is an excellent coextrusion partner in extrusion coating, blown and cast film. Good adhesion onto OPP in coextrusion. This grade offers excellent opticals, low gel and a very low Seal Initiation Temperature in sealing applications. Processing Conditions Excellent results are obtained in extrusion coating at 200 °C (392°F) temperature range. Processing temperatures above 220°C (428°F) may cause resin degradation. FL00728CC 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 ▪ Free Flowing Agent: No	
Applications	▪ Adhesive Lamination ▪ Adhesive Layer onto OPP ▪ Cling Layer ▪ Coextrusion Coating ▪ Compounding	▪ Extrusion Coating ▪ Extrusion Lamination ▪ High Frequency Sealing ▪ Industrial Packaging ▪ Injection Molding	▪ Masterbatch Base Resin ▪ Surface Protection Film ▪ Thermal Lamination
Revision Date	▪ 01/01/2018		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.951	g/cm³	0.951	g/cm³	ASTM D1505
Melt Index [2] (190°C/2.16 kg)	7.0	g/10 min	7.0	g/10 min	ASTM D1238
Vinyl Acetate Content	27.5	wt%	27.5	wt%	ExxonMobil Method
Peak Melting Temperature	161	°F	71	°C	ExxonMobil Method

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Vicat Softening Temperature	109	°F	43	°C	ASTM D1525

Molded Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Modulus (0.20 in/min (5.0 mm/min))	2300	psi	16	MPa	ASTM D638
Tensile Strength at Break					ASTM D638
20 in/min (500 mm/min)	1800	psi	12	MPa	
Elongation at Break (20 in/min (500 mm/min))	890	%	890	%	ASTM D638
Durometer Hardness					ASTM D2240
Shore A, 15 sec	80		80		
Shore D, 15 sec	25		25		

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

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 D 1238.

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