



Product Datasheet



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	tive • A			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		Typical Value		Test Based On
Density 2 (1999)	`		g/cm ³	0.940		ASTM D1505 ASTM D1238
Melt Index ² (190°C/2.16 k	(g)		g/10 min		g/10 min	
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 Temperatu	иге	118	°F	48	°C	ASTM D1525
Molded Properties		Typical Value	(Enalish)	Typical Value	(SI)	Test Based On
Tensile Modulus (0.20 in/min (5.0 mm/min))		4500		/1	MPa	ASTM D638
Tensile Strength at Break 20 in/min (500 mm/min)	1200	psi	8.2	MPa	ASTM D638
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

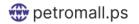
Molded properties were measured on 2 mm (78.7 mil) thick compression molded plaques prepared based on ASTM D4703 Procedure C (Tensile ASTM D638: Type IV dumbbell, Hardness ASTM D2240: 3 plied up disks) and 4 mm (157 mil) for VICAT.

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.

 Effective Date: 01/01/2018
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