ExxonMobil

Escor™ 6000

Ethylene Acrylic Acid Copolymer Resin

Product Description

Escor™ 6000 resin is primarily intended for extrusion coating and coextrusion coating. It is the high draw down version of Escor™ 5000 resin. It offers the following advantages: very low coating weight achievable at high line speed; very good adhesion to polar substrates, aluminum foil, metallized films, paper, iron, steel, and glass; and excellent balance of adhesion onto the substrates and interlayer adhesion with coextruded LDPE and EVA material.

General

Availability [1]	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Aluminum Containing Packaging ▪ Coextrusion Coating ▪ Cosmetic Packaging	▪ Extrusion Coating ▪ Extrusion Lamination ▪ Food Packaging	▪ Hygiene Packaging ▪ Liquid Packaging ▪ Metallized Films
Revision Date	▪ 07/01/2018		

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.932	g/cm³	0.932	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	8.2	g/10 min	8.2	g/10 min	ASTM D1238
Acrylic Acid Content	6.0	wt%	6.0	wt%	ExxonMobil Method
Peak Melting Temperature	215	°F	102	°C	ExxonMobil Method

Coating Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Draw Down					ExxonMobil Method
Constant output at 35 rpm, 536°F (280°C)	200	m/min	200	m/min	
Neck-in					ExxonMobil Method
82 ft/min (25 m/min), Constant output at 35 rpm, 536°F (280°C)	3.7	in	9.5	cm	
164 ft/min (50 m/min), Constant output at 35 rpm, 536°F (280°C)	2.4	in	6.1	cm	
328 ft/min (100 m/min), Constant output at 35 rpm, 536°F (280°C)	1.8	in	4.6	cm	

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

Typical values obtained on a pilot coextrusion coating line at ExxonMobil Europe Technical Center, at an air gap of 170 mm (6.69 in). Excellent results are obtained in extrusion coating at 260°C to 280°C (500 - 536 °F) temperature range. Processing temperatures above 300°C (572 °F) may cause resin degradation. To minimize corrosion risk, all exposed metal surfaces in the extruder and die should be made from corrosion resistant metals or nickel/chrome plated. Escor™ resin should be fed into the extruder after LDPE of a similar or higher melt index. Machines should always be completely purged with LDPE or a suitable cleaning compound before shutdown.

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

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