

Product Datasheet



Escor™ 5150

Ethylene Acrylic Acid Copolymer Resin

Product Description

Escor™ 5150 resin is primarily intended for high speed, low coating weight extrusion coating and extrusion lamination. Escor™ 5150 resin offers the following advantages: excellent adhesion to polar substrates; aluminum foil, polyamide films, metallized films, papers, iron, steel, and glass; high bond resistance when used to pack acidic food products; very low sealing and hot tack initiation temperature; very high hot tack peak force.

General

Availability ¹	- Africa & Middle East - Europe - North America
Additive	- Antiblock: No - Slip: No - Thermal Stabilizer: No
Applications	- Aluminum Containing Packaging - Extrusion Coating - Food Packaging - Coextrusion Coating - Extrusion Lamination - Metallized Films
Revision Date	01/01/2023

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.935 g/cm ³	0.935 g/cm ³	ExxonMobil Method
Melt Index ² (190°C/2.16 kg)	14 g/10 min	14 g/10 min	ASTM D1238
Acrylic Acid Content	9.0 wt%	9.0 wt%	ExxonMobil Method

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Vicat Softening Temperature (A (10N))	169 °F	76.0 °C	ExxonMobil Method
Peak Melting Temperature	205 °F	96 °C	ASTM D3418

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

Excellent results are obtained in extrusion coating at 260°C to 280°C (500-536°F) temperature range. Processing temperature 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.

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.

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ExxonMobil**Escor™ 5150**
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