

Exxtra™ Adhere EAA14011

Ethylene Acrylic Acid Copolymer

Product Description

Exxtra™ Adhere EAA14011 resin is primarily intended for high speed, low coating weight extrusion coating and extrusion lamination. Exxtra™ Adhere EAA14011 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 | ▪ Asia Pacific | ▪ Europe |
| Additive | ▪ Antiblock: No | ▪ Slip: No | ▪ Thermal Stabilizer: No |
| Applications | ▪ Aluminum Containing Packaging ▪ Coextrusion Coating | ▪ Extrusion Coating ▪ Extrusion Lamination | ▪ Food Packaging ▪ Metallized Films |
| Revision Date | ▪ 07/01/2018 | | |

| Resin Properties | Typical Value (English) | Typical Value (SI) | Test Based On |
|--|-------------------------|-------------------------|-------------------|
| Density | 0.939 g/cm ³ | 0.939 g/cm ³ | ASTM D1505 |
| Melt Index ² (190°C/2.16 g) | 14 g/10 min | 14 g/10 min | ASTM D1238 |
| Acrylic Acid Content | 11.0 wt% | 11.0 wt% | ExxonMobil Method |
| Peak Melting Temperature | 202 °F | 95 °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) | 460 m/min | 460 m/min | |
| Neck-in | | | ExxonMobil Method |
| 164 ft/min (50 m/min), Constant output at 35 rpm, 536°F (280°C) | 7.0 in | 18 cm | |
| 328 ft/min (100 m/min), Constant output at 35 rpm, 536°F (280°C) | 3.2 in | 8.1 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. Exxtra™ Adhere 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 D 1238.

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