

Escor™ 5110

Ethylene Acrylic Acid Copolymer Resin

Product Description

Escor™ 5110 resin is primarily intended for high speed, low coating weight extrusion coating and extrusion lamination. Escor™ 5110 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

Additive	▪ Antiblock: No	▪ Slip: No	▪ Thermal Stabilizer: No
Applications	▪ Aluminum Containing Packaging ▪ Coextrusion Coating	▪ Extrusion Coating ▪ Extrusion Lamination	▪ Food Packaging ▪ Metallized Films

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 kg)	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	

