

# Escor™ 5100

## Ethylene Acrylic Acid Copolymer Resin

### Product Description

Escor™ 5100 resin is primarily intended for extrusion coating, coextrusion coating, and extrusion lamination. Escor™ 5100 resin offers the following advantages: excellent adhesion to polar substrates, aluminum foil, metallized films, paper, iron, steel, and glass; high bond resistance when used to pack acidic food products; excellent coextrusion adhesive resin for polyamides; outstanding sealing performance; very low temperature sealing with high strength; and high hot tack forces and good seal through contamination.

### General

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

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.940 g/cm <sup>3</sup>	0.940 g/cm <sup>3</sup>	ASTM D1505
Melt Index (190°C/2.16 kg)	8.5 g/10 min	8.5 g/10 min	ASTM D1238
Acrylic Acid Content	11.0 wt%	11.0 wt%	ExxonMobil Method
Peak Melting Temperature	204 °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)	230 m/min	230 m/min	
Neck-in			ExxonMobil Method
82 ft/min (25 m/min), Constant output at 35 rpm, 536°F (280°C)	4.1 in	10 cm	
164 ft/min (50 m/min), Constant output at 35 rpm, 536°F (280°C)	2.1 in	5.3 cm	
328 ft/min (100 m/min), Constant output at 35 rpm, 536°F (280°C)	1.5 in	3.7 cm	

