

Escor™ 5050

Ethylene Acrylic Acid Copolymer Resin

Product Description

Escor™ 5050 resin is primarily intended for extrusion coating, coextrusion coating, and extrusion lamination. It has very good adhesion to polar substrates, aluminum foil, metallized films, paper, iron, steel, and glass. It offers excellent balance of adhesion onto substrates and interlayer adhesion with coextruded LDPE and EVA material.

General

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

Resin Properties	Typical Value (English)	Typical Value (SI)	Test Based On
Density	0.936 g/cm ³	0.936 g/cm ³	ASTM D1505
Melt Index (190°C/2.16 kg)	8.4 g/10 min	8.4 g/10 min	ASTM D1238
Acrylic Acid Content	9.0 wt%	9.0 wt%	ExxonMobil Method
Peak Melting Temperature	207 °F	97 °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)	180 m/min	180 m/min	
Neck-in			ExxonMobil Method
82 ft/min (25 m/min), Constant output at 35 rpm, 536°F (280°C)	2.8 in	7.1 cm	
164 ft/min (50 m/min), Constant output at 35 rpm, 536°F (280°C)	1.7 in	4.2 cm	
328 ft/min (100 m/min), Constant output at 35 rpm, 536°F (280°C)	1.3 in	3.3 cm	

