ExxonMobil

Escor™ 5020

Ethylene Acrylic Acid Copolymer Resin

Product Description

Escor™ 5020 resin is primarily intended for extrusion coating and coextrusion coating. 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	▪ Cable Shielding ▪ Coextrusion Coating ▪ Cosmetic Packaging	▪ Extrusion Coating ▪ Extrusion Lamination ▪ Food Packaging	▪ Hygiene Packaging ▪ Lami Tubes ▪ Liquid Packaging

Resin Properties	Typical Value (English)		Typical Value (SI)		Test Based On
Density	0.933	g/cm³	0.933	g/cm³	ASTM D1505
Melt Index (190°C/2.16 kg)	8.3	g/10 min	8.3	g/10 min	ASTM D1238
Acrylic Acid Content	7.5	wt%	7.5	wt%	ExxonMobil Method
Peak Melting Temperature	210	°F	99	°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)	160	m/min	160	m/min	
Neck-in					ExxonMobil Method
82 ft/min (25 m/min), Constant output at 35 rpm, 536°F (280°C)	2.4	in	6.0	cm	
164 ft/min (50 m/min), Constant output at 35 rpm, 536°F (280°C)	1.5	in	3.9	cm	
328 ft/min (100 m/min), Constant output at 35 rpm, 536°F (280°C)	1.3	in	3.2	cm	