

PRIMACOR™ IO 3701

Functional Polymer

Introduction

PRIMACOR™ IO 3701 Ethylene Acrylic Acid Ionomer is designed for blown film, cast film, and extrusion coating for flexible packaging applications. It provides excellent sealability in coextrusions with nylon and other film structures.

PRIMACOR™ IO 3701 exhibits:

- Excellent sealant for use in blown film, cast film, and extrusion coating

Applications:

- Food and specialty applications

Complies with:

- US. FDA 21 CFR 177.1310(b)
- EU. No 10/2011

Additives:

- Antiblock: No
- Slip: No

Properties

		Nominal Value (English)	Nominal Value (SI)	Test Method
Resin Properties	Density	0.940 g/cm ³	0.940 g/cm ³	ASTM D792
	Melt Index (2.16 kg @190°C)	5.2 g/10min	5.2 g/10min	ASTM D1238
	Vicat Softening Temperature	196 °F	91.0 °C	ASTM D1525
	Melting Temperature (DSC)	203 °F	95.0 °C	SK Method
Extrusion	Melt Temperature	550 °F	288 °C	
	Maximum Line Speed	25.0 ft/sec	7.6 m/sec	SK Method
	Minimum Coating Thickness	< 0.29 mil	< 7.4 µm	SK Method
	Minimum Coating Weight	4.0 lb/ream	6.5 g/m ²	SK Method
	Neck-in ¹	1.9 in.	47.8 mm	SK Method
Extrusion Condition²	<ul style="list-style-type: none"> • Screw Size: 3.5 in. (89 mm); 30:1 L/D • Screw Type: Single Flight with Maddock Mixer • Die Gap: 20 mil (0.5 mm) • Melt Temperature: 550 °F (288 °C) • Output: 280 lb/hr (127 kg/hr) • Screw Speed: 90 rpm 			

¹ 550 °F (288 °C), 1.0 mil (25.4 µm)

² Equipment used to process this resin should be constructed of corrosion resistant materials. Dies and adapters are recommended to be stainless steels and/or duplex chrome or nickel plated.

Notes

These are *typical values* and are *not be construed as specifications*. The physical properties are highly dependent on the manufacturing conditions. So customers should confirm performances by their own tests.

For additional sales, order and technical assistance

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