

PRIMACOR™ IO 3801

Functional Polymer

Introduction

PRIMACOR™ IO 3801 Ethylene Acrylic Acid Ionomer is designed for blown and cast film coextrusion for flexible packaging applications. It provides excellent sealability in coextrusions with nylon and other film structures.

PRIMACOR™ IO 3801 exhibits:

- Excellent sealant for use in blown and cast film coextrusions

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)	1.3 g/10min	1.3 g/10min	ASTM D1238
	Ion Type	Sodium (Na)	Sodium (Na)	
	Vicat Softening Temperature	165 °F	74 °C	ASTM D1525
	Melting Temperature (DSC)	207.5 °F	97.5 °C	SK Method
Extrusion Condition¹	<ul style="list-style-type: none"> • Screw Size: A and B = 2.5 in. (63.5 mm), C = 2 in. (50.8 mm); 30:1 L/D • Screw Type: A = HS, B = DSBI, C = SFSM • Die Gap: 70 mil (1.78 mm) • Die Diameter: 8 in. (203.2 mm) • Melt Temperature: A and B = 420 °F (216 °C), C = 470 °F (243 °C) • Output: 10 lb/hr/in. of Die Circumference (1.78 kg/hr/cm of Die Circumference) • Blow-up Ratio: 2.5:1 • Screw Speed: 45 rpm • Frost Line Height: 30 in. (762 mm) 			

¹ 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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