

# PRIMACOR™ IO 3702

## Functional Polymer

### Introduction

PRIMACOR™ IO 3702 Ethylene Acrylic Acid Ionomer is designed for extrusion coating, blown film, and cast film for flexible packaging applications. It provides excellent sealability in laminations with foil, coextrusions with nylon and other film structures.

### Properties

		Nominal Value (English)	Nominal Value (SI)	Test Method
<b>Resin</b>	Ion Type	Zn	Zn	
	Density	0.950 g/cm <sup>3</sup>	0.950 g/cm <sup>3</sup>	ASTM D792
	Melt Index (2.16 kg @190°C)	14 g/10min	14 g/10min	ASTM D1238
<b>Properties</b>	Melting Temperature (DSC)	196 °F	91.0 °C	SK Method
	Melt Temperature (Recommended)	450 °F	232 °C	
	Maximum Line Speed	1500+ ft/min	457 m/min	SK Method
<b>Extrusion</b>	Minimum Coating Thickness	< 0.29 mil	< 7.4 µm	SK Method
	Minimum Coating Weight	3 lb/ream	4.9 g/m <sup>2</sup>	SK Method
	Neck-in <sup>1</sup>	4.25 in.	107.95 mm	SK Method
<b>Extrusion Condition<sup>2</sup></b>	<ul style="list-style-type: none"> <li>Screw Size: 3.5 in. (89 mm); 30:1 L/D</li> <li>Screw Type: Single Flight with Maddock Mixer</li> <li>Die Gap: 20 mil (0.5 mm)</li> <li>Melt Temperature: 450 °F (232 °C)</li> <li>Output: 280 lb/hr (127 kg/hr)</li> <li>Screw Speed: 90 rpm</li> </ul>			

<sup>1</sup> 550 °F (288 °C), 1.0 mil (25.4 µm)

<sup>2</sup> 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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