PRIMACOR™ IO 3702

Description

PRIMACOR™ IO 3702 is an ionomer of ethylene acrylic acid copolymer, and is designed for extrusion coating for flexible packaging applications. PRIMACOR™ IO 3702 can provide excellent sealability in coextrusions with Nylon and other film structures.

Ion Type

- Zinc Ionomer.

Typical Properties[1)]

		Nominal Values		Test Method
Physical	Density	0.960 g/cm^3	0.960 g/cm^3	ASTM D792
	Melt Index (2.16 kg @190°C)	14 g/10min	14 g/10min	ASTM D1238
Thermal	Vicat Softening Point	149 °F	65 °C	ASTM D1525
	Melting Point (DSC)	201 °F	94 °C	SK Method

Processing Information

		Nominal Values		Test Method
Extrusion	Melt Temperature	550 °F	288 °C	
	Maximum Line Speed	25.0 ft/sec	7.6 m/sec	SK Method
	Maximum 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[2)]	1.9 in	47.8 mm	SK Method

Extrusion Notes

Fabrication Conditions for Extrusion Coating:
Equipment used to process this resin should be constructed of corrosion resistant material. Dies and adaptors are recommended to be stainless steels and/or duplex chrome and nickel plated.

- 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)] Typical properties: these are not to be construed as specifications
[2)] 550 °F (288 °C), 1.0 mil (25.4 μm)

For additional sales, order and technical assistance

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