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 @190ºC)	14 g/10min	14 g/10min	ASTM D1238
Thermal	Vicat Softening Point	149 ºF	65 ºC	ASTM D1525
	Melting Point (DSC)	201 ºF	94 ºC	SK Method

Processing Information

		Nominal Values		Test Method
Extrusion	Melt Temperature	550 ºF	288 ºC	
	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 ºF (288 ºC)
- Output: 280 lb/hr (127 kg/hr)
- Screw Speed: 90 rpm

[1)] Typical properties: these are not to be construed as specifications
[2)] 550 ºF (288 ºC), 1.0 mil (25.4 μm)