

SK IONIA 2750

Ionomer

Description

SK IONIA 2750 Ethylene Acrylic Acid Ionomer is designed for extrusion coating, blown film, and cast film for flexible packaging applications. It provides excellent sealability in coextrusions with Nylon and other film structures.

Ion Type

- Zinc Ionomer

Typical Properties¹⁾

		Nominal Values		Test Method
Resin Properties	Density	0.950 g/cm ³	0.950 g/cm ³	ASTM D792
	Melt Index (2.16 kg @190°C)	14 g/10min	14 g/10min	ASTM D1238
	Vicat Softening Point	149 °F	65 °C	ASTM D1525
	Melting Point (DSC)	196 °F	91 °C	SK Method
Extrusion	Melt Temperature	500 °F	260 °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

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.

Extrusion Notes

- 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: 500 °F (260 °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)

