

## Technical Information

# IONIA™ 2610S

## Ionomer

### Description

SK IONIA™ 2610S Ionomer is an ethylene acrylic acid based ionomer, designed for cast, extrusion coating and blown film applications.

Ion Type:

- Zinc Ionomer

Additives:

- Slip: Yes
- Roll release: Yes

### Typical Properties<sup>1)</sup>

		Nominal Values		Test Method
Physical	Density	0.940 g/cm <sup>3</sup>	0.940 g/cm <sup>3</sup>	ASTM D792 ISO 1183
	Melt Index (2.16 kg @190°C)	5.2 g/10min	5.2 g/10min	ASTM D1238 ISO 1133
Thermal	Vicat Softening Point	172 °F	78 °C	ASTM D1525 ISO 306
	Melting Point (DSC)	207 °F	97 °C	SK Method

### Processing Information

		Nominal Values		Test Method
Extrusion	Melt Temperature	500 °F	260 °C	SK method
	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 <sup>2</sup>	SK Method
	Neck-in <sup>2)</sup>	1.9 in	48.3 mm	SK Method



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### 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.

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- 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

### Extrusion Notes

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<sup>1)</sup> Typical properties: these are not to be construed as specifications

<sup>2)</sup> 500 °F (260 °C), 1.0 mil (25.4 µm)

