

Technical Information

# IONIA™ 1350T

Ionomer

## Description

IONIA™ 1350T Ionomer is an ethylene acrylic acid based ionomer, designed for cast, extrusion coating and blown film application.

Ion type

- Sodium Ionomer

Additives:

- Antiblock: Yes
- Slip: Yes
- Roll Release: Yes

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

		Nominal Values		Test Method
Physical	Density	0.950 g/cm <sup>3</sup>	0.950 g/cm <sup>3</sup>	ASTM D792
	Melt Index (2.16 kg @190°C)	3.5 g/10min	3.5 g/10min	ASTM D1238
Thermal	Vicat Softening Point	149 °F	65 °C	ASTM D1525
	Melting Point (DSC)	196 °F	91 °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	47.8 mm	SK Method

- Screw Size: A and B=2.5 in.(64 mm), C=2 in.(51 mm); 30:1 L/D Size
- Screw Type: A=HS, B=DSBII, C=SFSM
- Die Gap: 70 mil (1.78 mm)
- Output: 10 lb/hr/in. circumference
- Die Diameter: 8 in.
- Blow-Up Ratio: 2.5:1
- Screw Speed: 45 rpm
- Frost Line Height: 30 in.(762 mm)

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

<sup>2)</sup> Monolayer film data

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*For additional sales, order and technical assistance*

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