

# IONIA™ 1250

## Ionomer

### Description

IONIA™ 1250 is an ionomer of ethylene acrylic acid copolymer, and is designed for blown and cast for flexible packaging applications. IONIA™ 1250 can provide excellent sealability in coextrusions with Nylon and other film structures.

Ion type

- Sodium Ionomer.

### 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)	0.9 g/10min	0.9 g/10min	ASTM D1238
Thermal	Vicat Softening Point	138 °F	59 °C	ASTM D1525
	Melting Point (DSC)	194 °F	90 °C	SK Method
Optical	Haze	1 %	1 %	ASTM D1003

### Processing Information

Fabrication Conditions for Blown Film:

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: 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)
- Melt Temperature: A and B=420 °F (216 °C), C=470 °F (243 °C)
- 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 specifications. The physical properties are highly dependent on the manufacturing conditions. Customers should confirm performances by their own tests.



*For additional sales, order and technical assistance*

**e-mail** inquiry\_polymer@sk.com

**Asia Pacific**

Shanghai (Main Office)	+86-21-6197-0243
Shanghai (TS&D)	+86-21-6105-2139
Seoul	+82-2-2121-6903
Tokyo	+81-80-2254-3076

**South East Asia / Australia**

Singapore	+65-6671-1566
-----------	---------------

**North America**

Houston	+1-281-900-1596
---------	-----------------

**Europe**

Frankfurt	+49-6967738103
Madrid	+34-609312846

**Middle East / Africa**

Dubai	+971-4-252-5277
-------	-----------------