

## Technical Information

# IONIA™ 1273B

## Ionomer

### Description

IONIA™ 1273B ionomer is an ethylene acrylic acid based ionomer, designed for injection molding applications with very high stiffness and impact strength. SK IONIA 1273B ionomer provides excellent transparency and mechanical properties.

Ion type

- Sodium Ionomer

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

	Nominal Values	Test Method		Test Method
<b>Physical</b>	Density	0.950 g/cm <sup>3</sup>	0.950 g/cm <sup>3</sup>	ASTM D792
	Melt Index (2.16 kg @190°C)	2.1 g/10min	2.1 g/10min	ASTM D1238
	Hardness (Shore D)	68	68	ASTM D2240
<b>Thermal</b>	Vicat Softening Point	135 °F	57 °C	ASTM D1525
	Melting Point (DSC)	181 °F	83 °C	SK Method
<b>Optical</b>	Haze (1mmT)	<0.5	<0.5	ASTM D1003

### Injection molding guide<sup>2)</sup>

Injection conditions		Unit	Value
Melting Temperature range		°C	90-110
Cylinder Temperature	Barrel 3	°C	170-200
	Barrel 2	°C	170-200
	Barrel 1	°C	170-200
Nozzle Temperature		°C	140-170
Mold Temperature		°C	25-35

1) 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.

2) These Injection molding processing conditions are for reference only; specific processing conditions depend on the injection machine type.

## *Technical Information*

*For additional information on sales, orders and technical assistance*

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