

# SK IONIA 1271

## Ionomer

### Description

SK IONIA 1271 is an ionomer of ethylene acrylic acid copolymer, and is designed for injection molding applications with very high stiffness and impact strength. SK IONIA 1271 can provide excellent mechanical properties.

Ion type

- Sodium Ionomer.

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

	Nominal Values	Test Method		Test Method
Physical	Density	0.970 g/cm <sup>3</sup>	0.970 g/cm <sup>3</sup>	ASTM D792
	Melt Index (2.16 kg @190°C)	1.4 g/10min	1.4 g/10min	ASTM D1238
	Hardness (Shore D)	68	68	ASTM D2240
Thermal	Vicat Softening Point	138 °F	59 °C	ASTM D1525
	Melting Point (DSC)	181 °F	83 °C	SK Method

### 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 condition depends on the injection machine type.

*For additional sales, order and technical assistance*

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