



## Surlyn® PC-100

DuPont Packaging & Industrial Polymers - Ionomer

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### General Information

#### Product Description

DuPont™ Surlyn® PC-100 is an ionomer of ethylene acid copolymer.

The resin can be processed via injection molding equipment designed to process polyethylene and ethylene copolymer type resins.

#### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Copolymer		
Uses	• Cosmetic Packaging		
Agency Ratings	• FDA 21 CFR 177.1330(a)		
Forms	• Pellets		
Processing Method	• Injection Molding		

### ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.952		ASTM D792
Density	0.950	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	0.90	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ISO 1133
Ion Type	Sodium		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	113	°F	ASTM D1525
Vicat Softening Temperature	113	°F	ISO 306
Peak Melting Temperature	198	°F	ASTM D3418
Melting Temperature (DSC)	198	°F	ISO 3146

### Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	320 to 500	°F

#### Notes

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