



Surlyn® PC-2000

DuPont Packaging & Industrial Polymers - Ethylene Methacrylic Acid

Monday, September 21, 2020

General Information

Product Description

DuPont™ Surlyn® PC-2000 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	• Sodium Ionomer	
Agency Ratings	• FDA 21 CFR 177.1330(a)		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.972		ASTM D792
Density	0.970	g/cm ³	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	4.5	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.5	g/10 min	ISO 1133
Ion Type	Sodium		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	127	°F	ASTM D1525
Vicat Softening Temperature	127	°F	ISO 306
Peak Melting Temperature	183	°F	ASTM D3418
Melting Temperature (DSC)	183	°F	ISO 3146

Processing Information

Injection	Nominal Value	Unit
Processing (Melt) Temp	< 545	°F

Notes

¹ Typical properties: these are not to be construed as specifications.