Surlyn[®] PC-2000

DuPont Packaging & Industrial Polymers - Ethylene Methacrylic Acid

Product Description

DuPont[™] Surlyn[®] PC-2000 is an ionomer of ethylene acid copolymer.

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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	EuropeLatin America	North America	
Features	 Copolymer 	 Sodium Ionomer 		
Agency Ratings	• FDA 21 CFR 177.1330(a)			
Forms	Pellets			
Processing Method	 Injection Molding 			

General Information

ASTM & ISO Properties ¹					
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.



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