ENTEC Surlyn® PC-350

DuPont Packaging & Industrial Polymers - Ionomer

Monday, September 21, 2020

Product Description

DuPont[™] Surlyn[®] PC-350 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.

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	0.962		ASTM D792	
Density	0.960	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	160	°F	ASTM D1525	
Vicat Softening Temperature	160	°F	ISO 306	
Peak Melting Temperature	190	°F	ASTM D3418	
Melting Temperature (DSC)	190	°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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