ENTEC Surlyn® 2601B DuPont Packaging & Industrial Polymers - Ionomer

Monday, September 21, 2020

Product Description

DuPont[™] Surlyn[®] 2601B is an ionomer of ethylene acid copolymer.

The resin can be processed in conventional extrusion coating, blown film, cast film, sheet extrusion and coextrusion equipment designed to process polyethylene and ethylene copolymer type resins.

General Information

General				
Material Status	Commercial: Active			
Availability	 Africa & Middle East Asia Pacific	EuropeLatin America	North America	
Additive	Antiblock			
Features	Antiblocking	Food Contact Acceptable		
Uses	Blown FilmCast Film	FilmSheet		
Agency Ratings	• FDA 21 CFR 177.1330(a)			
Processing Method	Blown FilmCast Film	CoextrusionSheet Extrusion		

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.942		ASTM D792
Density	0.940	g/cm ³	ISO 1183
Melt Mass-Flow Rate (190°C/2.16 kg)	1.3	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.3	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	207	°F	ASTM D3417
Melting Temperature (DSC)	207	°F	ISO 3146
Freezing Point			
	140	°F	ASTM D3417
-	140	°F	ISO 3146

Processing Information				
Extrusion	Nominal Value Unit			
Cylinder Zone 1 Temp.	275 °F			
Cylinder Zone 2 Temp.	320 °F			
Cylinder Zone 3 Temp.	365 °F			
Cylinder Zone 4 Temp.	365 °F			
Cylinder Zone 5 Temp.	365 °F			
Adapter Temperature	365 °F			
Melt Temperature	320 to 500 °F			
Die Temperature	365 °F			



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Extrusion Notes

The above processing values are for blown film.

- Cast film/sheet parameters:
 - Feed Zone: 160°C
 - Second Zone: 210°C
 - Third Zone: 235°C
 - Fourth Zone: 235°C
 - Fifth Zone: 235°C
 - Adapter Zone: 235°C
 - Die Zone: 235°C

Notes

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



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