Surlyn® 1601-2LM

Ionomer

DuPont Packaging & Industrial Polymers

Message:

Surlyn® 1601-2LM is available for use in conventional blown, cast film, and sheet extrusion equipment. It is also used in coextrusion equipment designed to process polyethylene and ethylene copolymer type resins.
Lower moisture specification for higher temperature processing

General Information	
Uses	Films cast film Sheet
Agency Ratings	FDA 21 CFR 177.1330(a)
Forms	Particle
Processing Method	Blow film Co-extrusion molding cast film Sheet extrusion molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.3	g/10 min	ASTM D1238, ISO 1133
Ion Type	Sodium		
Freezing Point			
--	68	°C	ISO 3146
--	68	°C	ASTM D3417
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	74.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	98.0	°C	ASTM D3417, ISO 3146
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	160 - 260	°C	
Extrusion	**Nominal Value**	**Unit**	
Cylinder Zone 1 Temp.	135	°C	
Cylinder Zone 2 Temp.	160	°C	
Cylinder Zone 3 Temp.	185	°C	
Cylinder Zone 4 Temp.	185	°C	
Cylinder Zone 5 Temp.	185	°C	
Adapter Temperature	185	°C	
Melt Temperature	160 - 260	°C	

Die Temperature	185	°C

Extrusion instructions

The above processing values are for blown film.Cast film 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

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China