

Surlyn® 1706

Ionomer

DuPont Packaging & Industrial Polymers

Message:

Surlyn® 1706 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.

General Information	
Uses	Blown Film
	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	0.950	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.70	g/10 min	ASTM D1238, ISO 1133
Ion Type	Zinc		
Freezing Point			
--	54	°C	ISO 3146
--	54	°C	ASTM D3417
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	65.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	90.0	°C	ASTM D3417, ISO 3146
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	< 285	°C	
Die Temperature	185	°C	
Extrusion instructions			

Cast Film/Sheet Parameters: Feed Temperature: 160°C Second Zone Temperature: 210°C Third Zone Temperature: 235°C Fourth Zone Temperature: 235°C Fifth Zone Temperature: 235°C Adapter Temperature: 235°C Die Temperature: 235°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

