

Surlyn® 1650SB

Ionomer

DuPont Packaging & Industrial Polymers

Message:

DuPont™ Surlyn® 1650SB is available for use in conventional blown and cast film extrusion and coextrusion equipment designed to process polyethylene resins. Slip and antiblock agents are added to reduce the film coefficient of friction and prevent film roll blocking.

General Information	
Additive	Anti-caking agent slip agent
Features	smoothness Anti-caking property
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/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.8	g/10 min	ASTM D1238, ISO 1133
Ion Type			
Freezing Point			
--	73	°C	ISO 3146
--	73	°C	ASTM D3417
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	73.0	°C	ASTM D1525, ISO 306
Peak Melting Temperature	97.0	°C	ASTM D3417, ISO 3146
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	160	°C	
Cylinder Zone 2 Temp.	210	°C	
Cylinder Zone 3 Temp.	235	°C	
Cylinder Zone 4 Temp.	235	°C	

Cylinder Zone 5 Temp.	235	°C
Adapter Temperature	235	°C
Melt Temperature	160 - 260	°C
Die Temperature	235	°C

Extrusion instructions

Blown Film Parameters:Feed Zone: 135°CSecond Zone:160°CThird Zone: 185°CFourth Zone: 185°C Fifth Zone: 185°CAdapter Zone: 185°CDie Zone: 185°C

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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

