Asrene® UF 1810S1

Linear Low Density Polyethylene

Chandra Asri Petrochemical

Message:

Asrene®UF 1810S1 is a linear low density polyethylene product. It is available in North America, Europe or Asia Pacific. Asrene®UF 1810S1 applications include bags/linings, movies and agriculture.
Features include:
Antiblock software
Butene Comonomer
slide
Good processability
Impact resistance

General Information	
Additive	High smoothness High caking resistance
Features	Butene comonomer High smoothness High caking resistance Impact resistance, good Workability, good
Uses	Films Lining Bags Agricultural application

Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction (Cast Film)	0.060		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	30	µm	
Tensile Strength			ASTM D882
MD: Broken, 30 µm, blown film	50.0	MPa	ASTM D882
TD: Broken, 30 µm, blown film	24.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 30 µm, blown film	700	%	ASTM D882
TD: Broken, 30 µm, blown film	850	%	ASTM D882
Dart Drop Impact (30 µm, Blown Film)	100	g	ASTM D1709

Elmendorf Tear Strength [1]			ASTM D1922
MD : 30.0 µm	24.5	kN/m	ASTM D1922
TD : 30.0 µm	196.1	kN/m	ASTM D1922
Blocking	26.0	g/100 cm^2	ASTM D3354
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	104	°C	ASTM D1525
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°, 30.0 µm, Blown Film)	46		ASTM D2457
Clarity (30.0 µm, Blown Film)	28.0		ASTM D1746
Haze (30.0 µm, Blown Film)	20	%	ASTM D1003
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	170 - 200	°C	
Extrusion instructions			
Blow-up Ratio: 1.5 to 3.5			
NOTE			
1.	Blown Film		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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Phone: +86 13424755533

Email: sales@su-jiao.com

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