Asrene® UF 1820S1

Linear Low Density Polyethylene

Chandra Asri Petrochemical

Message:

Asrene®UF 1820S1 is a linear low density polyethylene product. It can be processed by blowing film and is available in North America, Europe or Asia Pacific. Asrene®UF 1820S1 applications include bags/linings, movies and agriculture.
Features include:
Antiblock software
Butene Comonomer
slide
Good processability
accessible food

General Information			
Additive	High smoothness High caking resistance		
Features	Butene comonomer High smoothness High caking resistance Workability, good Compliance of Food Exposure		
Uses	Films Lining Bags Multilayer film Agricultural application		
Processing Method	Blow film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.922	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction (Blown Film)	0.050		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	30	µm	
Tensile Strength			ASTM D882
MD: Broken, 30 µm, blown film	40.0	MPa	ASTM D882
TD: Broken, 30 µm, blown film	20.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 30 µm, blown film	750	%	ASTM D882

TD: Broken, 30 µm, blown film	800	%	ASTM D882
Dart Drop Impact (30 µm, Blown Film)	70	g	ASTM D1709
Elmendorf Tear Strength [1]			ASTM D1922
MD : 30.0 µm	29.4	kN/m	ASTM D1922
TD : 30.0 µm	147.1	kN/m	ASTM D1922
Blocking - Blown Film (30.0 µm)	30.0	g/100 cm^2	ASTM D3354
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	101	°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)	25.0		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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