

# Asrene® UF 1810

Linear Low Density Polyethylene

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## Message:

Asrene® UF 1810 is a linear low density polyethylene product. It is available in North America, Europe or Asia Pacific. Asrene® UF 1810 applications include movies, wrappers and coating applications.

Features include:

Butene Comonomer

Good toughness

Transparency

General Information	
Features	Low speed solidification crystal point
	Butene comonomer
	Definition, high
	Good toughness
	No additive
Uses	Films
	Multilayer film
	Stretch winding
	cast film
	Coating application

Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm <sup>3</sup>	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 (Blown Film)	0.60		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 <sup>1</sup>			ASTM D1922
MD : 30.0 µm	24.5	kN/m	ASTM D1922
TD : 30.0 µm	196.1	kN/m	ASTM D1922

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)	72		ASTM D2457
Clarity (30.0 µm, Blown Film)	75.0		ASTM D1746
Haze (30.0 µm, Blown Film)	11	%	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

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#### Recommended distributors for this material

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