

EVALENE® LLDPE LF20185

Linear Low Density Polyethylene

JG Summit Petrochemical Corporation

Message:

LLDPE is used for heavy-duty sacks, lamination films, industrial cosmetics, pharmaceutical and food packaging materials.

Low Heat Seal Temperatures. Strong Seals. Excellent Tear, Puncture and Impact Strengths.

These properties make Evalene® the best choice for LLDPE packaging films. Its outstanding environmental stress crack resistance, good impact properties at low temperatures, and warp resistance also make it attractive for injection molding applications.

General Information			
Features	Additive Free		
	Good Tear Strength		
	High ESCR (Stress Crack Resist.)		
	High Heat Resistance		
	High Impact Resistance		
	Low Temperature Heat Sealability		
	Low Temperature Impact Resistance		
	Puncture Resistant		
	Warp Resistant		
Uses	Cast Film		
	Film		
	Food Packaging		
	Industrial Applications		
	Liners		
	Stretch Wrap		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Cast Film		
	Film Extrusion		
	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	ASTM D882
Secant Modulus ¹			
MD : 25 µm, Blown Film	170	MPa	

TD : 25 µm, Blown Film	190	MPa	
Tensile Strength ²			ASTM D882
MD : Break, 25 µm,Blown Film	28.0	MPa	
TD : Break, 25 µm,Blown Film	25.0	MPa	
Tensile Elongation ³			ASTM D882
MD : Break, 25 µm,Blown Film	850	%	
TD : Break, 25 µm,Blown Film	900	%	
Dart Drop Impact (25 µm, Blown Film)	80	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm, Blown Film	130	g	
TD : 25 µm, Blown Film	300	g	

NOTE

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|----|------------|
| 1. | 25 mm/min |
| 2. | 500 mm/min |
| 3. | 500 mm/min |

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