

EVALENE® LLDPE LF08261

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 Impact Resistance		
	High Tensile Strength		
	Low Temperature Heat Sealability		
	Low Temperature Impact Resistance		
	Puncture Resistant		
	Warp Resistant		
Uses	Bags		
	Film		
	Heavy-duty Bags		
	Laminates		
	Packaging		
	Stretch Wrap		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Film Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.926	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	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	290	MPa	
TD : 25 µm, Blown Film	360	MPa	ASTM D882
Tensile Strength ²			
MD : Break, 25 µm, Blown Film	48.0	MPa	

TD : Break, 25 μm,Blown Film	44.0	MPa	
Tensile Elongation ³			ASTM D882
MD : Break, 25 μm,Blown Film	800	%	
TD : Break, 25 μm,Blown Film	900	%	
Dart Drop Impact (25 μm, Blown Film)	130	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 25 μm, Blown Film	280	g	
TD : 25 μm, Blown Film	> 500	g	
NOTE			
1.	25 mm/min		
2.	500 mm/min		
3.	500 mm/min		

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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



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