

# EVALENE® LLDPE LJ25181

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	Good Flexibility		
	Good Processability		
	Good Tear Strength		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
	Low Temperature Heat Sealability		
	Low Temperature Impact Resistance		
	Puncture Resistant		
	Warp Resistant		
Uses	Carpet Backing		
	Color Concentrates		
	Lids		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	25	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus <sup>1</sup>	185	MPa	ASTM D638
Tensile Strength <sup>2</sup> (Yield)	8.00	MPa	ASTM D638
Tensile Elongation <sup>3</sup> (Break)	> 1000	%	ASTM D638
NOTE			
1.	5.0 mm/min		
2.	50 mm/min		
3.	50 mm/min		

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Recommended distributors for this material

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