



Westlake
Polymers LP

LF 1040

Linear Low Density
Polyethylene

Typical Physical Properties

PROPERTY	EXPECTED VALUE	ASTM METHOD	Applications
MELT INDEX (gm/10 min.)	2.0	D 1708	For resin blond stock and food packaging
DENSITY (g/cm ³)	0.919	D 1505	
FILM GAUGE (mil)	1.0	WESTLAKE	
DART DROP IMPACT, F ₅₀ (grams)	110	D 1708A	Properties Excellent mechanical and Sealing properties with extrusion and Down gauging advantages
ELMENDORF TEARS STRENGTH (grams)	MD 150	D 1922A	
	TD 350		
TENSILE STRENGTH @ YIELD (psi)	MD 1,400	D 882	
	TD 1,600		
TENSILE STRENGTH @ BREAK (psi)	MD 4,000	D 882	
	TD 3,100		
ULTIMATE ELONGATION (%)	MD 700	D 882	
	TD 900		
1% SECANT MODULUS (psi)	MD 28,000	D 882	
	TD 31,000		

Typical film property as measured on a 1.0 mil blown film sample fabricated at a 2.5:1 B.U.R.
*Unformulated polymer only.

NOTES:

FDA

This material complies with FDA regulations in 21 CFR, section 177.1520, paragraph C, section 3.1a.

PROCESSING

Melt temperature of 380°F is recommended for Westlake Polymers' LF 1040 with blow up ratios of 2:1 or higher.

NOTICE

Above properties represent typical values for the above material as measured by Westlake Polymers LP. The determination of suitability and fitness for use is the sole responsibility of the buyer and user.

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