



Westlake Polymers

Enhancing your life every day

LT74147

Linear Low Density Polyethylene

Application/Uses

- Vegetable packaging
- Bread bags
- Ice bags

Product Description

WESTLAKE HIFOR Polyethylene LT74147 is a high strength linear low density polyethylene containing medium slip and high antiblock. It is designed for blown film applications and is well suited for consumer and industrial packaging markets which require impact and tear strength. Films produced using LT74147 exhibit low imperfections and facilitate production at thinner gauges.

Typical Physical Properties

Property		Test Method	Typical Value, Units
Melt Index		D 1238	1.0 g/10 min
Density		D 1505	920 kg/m ³ (0.920 g/cm ³)
Haze		D 1003	35.0 %
Gloss @ 45°		D 2457	30
Dart Impact		D 1709	170 g/mil
Tensile Strength @ Break	MD	D 882	50 (7300 psi)
	TD	D 882	39 (5700 psi)
Elongation @ Break	MD	D 882	750 %
	TD	D 882	1000 %
1% Secant Modulus	MD	D 882	220 (32000 psi)
	TD	D 882	241 (35000 psi)

^a Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

^b Unless noted otherwise, the test method is ASTM.

^c Units are in SI or US customary units.

^d Seal initiation temperature is the temperature at which 200g/inch seal strength is achieved.

NOTES

Gauge of test specimens 1.0 mil fabricated on a 6" die, 2.5" 24:1 L:D barrier screw, 2.4:1 BUR, 100-mil die gap, 15" frostline height, 450° F melt temperature, and 7.5 lb/hr/inch die output. Density results are on Base Resin.

FDA

This product has some 21 CFR clearances. Please contact Westlake Product Regulatory Department for statements.

PROCESSING

Blown film processing temperatures of 400° F – 420° F are recommended for Westlake LT74147.

COMMENTS

Properties reported here are based on limited testing. Westlake makes no representation that the material in any particular shipment will conform exactly to the values given.

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