



Producer: Westlake Polymers LP / The United States (USA)

LT74105

Description:

WESTLAKE Hifor Polyethylene LT74105 is a high strength linear low density polyethylene containing medium slip and medium 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 LT74105 exhibit low imperfections and facilitate production at thinner gauges.

Application:

- Vegetable packaging
- Bread bags
- Ice bags

PROPERTY	TEST METHOD	TYPICAL VALUE, UNITS
Melt index (gm/10 min.)	D 1238	1.0 g/10 min
Density (g/cm ³)	D 1505	920 kg/m ³ (0.920 g/cm ³)
Haze	D 1003	14.0 %
Gloss @ 45°	D 2457	45
Dart Impact	D 1709	170 g/mil
Tensile strength@break MD	D 882	50 (7300 psi)
Tensile strength@break TD	D 882	39 (5700 psi)
Elongation @ Break MD	D 882	750%
Elongation @ Break TD	D 882	1000%
1% secant modulus MD	D 882	220 (32000 psi)
1% secant modulus TD	D 882	241 (35000 psi)

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

Unless noted otherwise, the test method is ASTM

Units are in SI or US customary units

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 resin grade complies with 21 CFR 177.1520. For further information, please contact Product Regulatory Compliance

Processing:

Blown film processing temperatures of 400° F – 420° F are recommended for Westlake Chemical LT74105.