Manufacturer website: https://www.westlake.com/

Westlake Polyethylene™

HIFOR® LT74104

Linear Low Density Polyethylene

Technical Data Sheet

Applications

- Vegetable packaging
- Bread bags
- Ice bags

Product Description

HIFOR® LT74104 is a high-strength hexene LLDPE with no slip or antiblock designed for blown film extrusion. It is well-suited for consumer and industrial packaging markets which require good impact and tear strength. This resin allows production of films at thin gauges with few imperfections.

Typical Physical Properties

Property [a]		Test Method [b]	Typical Value, Units [c]
Melt Index (Condition 190°C/2.16 kg)		D 1238	1.0 g/10 min
Density (Base Formulation)		D 1505	920 kg/m3 (0.920 g/cm3)
Dart Impact		D 1709	170 g
Haze (Base Formulation)		D 1003	8.0%
Gloss @ 45° (Base Formulation)		D 2457	60
Tensile Strength @ Break	M.D. T.D.	D 882 D 882	50.3 MPa (7,300 psi) 39.3 MPa (5,700 psi)
Elongation @ Break	M.D. T.D.	D 882 D 882	750% 1,000%
1% Secant Modulus	M.D. T.D.	D 882 D 882	220.6 MPa (32,000 psi) 241.3 MPa (35,000 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.

Notes

Test specimens for blown film: nominal thickness 1.0 mil; blow-up ratio 2.5:1, die gap 100 mils.

Processing

Melt temperatures of 420°F - 450°F are recommended for HIFOR® LT74104 with blow-up ratios of 1.5:1 or higher.

Regulatory Compliance

This product has some 21 CFR clearances. Please contact your Westlake Sales Representative for food contact statements.

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. Westlake and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

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