



# HIFOR® LT74105

Linear Low Density Polyethylene

## Applications

- Vegetable packaging
- Bread bags
- Ice bags

## Product Description

HIFOR® LT74105 is a high-strength linear low density polyethylene with medium levels of slip and 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 also facilitates the production of films at thin gauges.

## Typical Physical Properties

| Property <sup>a</sup> |      | Test Method <sup>b</sup> | Typical Value, Units <sup>c</sup>                |
|-----------------------|------|--------------------------|--------------------------------------------------|
| Melt Index            |      | D 1238                   | 1.0 g/10 min                                     |
| Density               |      | D 1505                   | 920 kg/m <sup>3</sup> (0.920 g/cm <sup>3</sup> ) |
| Dart Impact           |      | D 1709                   | 200 g/mil                                        |
| Haze                  |      | D 1003                   | 16.0%                                            |
| Gloss @ 45°           |      | D 2457                   | 50                                               |
| Ultimate Tensile      | M.D. | D 882                    | 6,700 psi                                        |
|                       | T.D. | D 882                    | 4,300 psi                                        |
| Elongation            | M.D. | D 882                    | 750%                                             |
|                       | T.D. | D 882                    | 1000%                                            |
| 1% Secant Modulus     | M.D. | D 882                    | 29,000 psi                                       |
|                       | T.D. | D 882                    | 35,000 psi                                       |

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

<sup>b</sup> Unless noted otherwise, the test method is ASTM.

<sup>c</sup> Units are in SI or US customary units.

## Notes

Test specimens for blown film: nominal thickness 1.0 mils; blow up ratio 2.4:1, die gap 100 mils.

## Processing

Melt temperatures of 420°F – 450°F are recommended for HIFOR® LT74105 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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