Westlake Polyethylene™

HIFOR® LF2041

Linear Low Density Polyethylene

Technical Data Sheet

Applications

- Cast film extrusion
- Cast stretch film

Product Description

HIFOR® LF2041 is a hexene LLDPE designed for cast film extrusion. This resin contains stabilization ideal for the cast extrusion process.

Typical Physical Properties

Property [a]		Test Method [b]	Typical Value, Units [c]
Melt Index (Condition 190°C/2.16 kg)		D 1238	2.0 g/10 min
Density (Base Formulation)		D 1505	918 kg/m3 (0.918 g/cm3)
Dart Impact		D 1709	90 g
Haze (Base Formulation)		D 1003	2.5%
Elmendorf Tear Resistance	M.D. T.D.	D 1922 D 1922	300 gf 700 gf
Tensile Strength @ Break	M.D. T.D.	D 882 D 882	41.4 MPa (6,000 psi) 33.1 MPa (4,800 psi)
Elongation @ Break	M.D. T.D.	D 882 D 882	500% 700%
1% Secant Modulus	M.D T.D.	D 882 D 882	137.9 MPa (20,000 psi) 151.7 MPa (22,000 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.

Processing

Cast melt temperatures of 500°F-540°F are recommended for HIFOR® LF2041.

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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