

Technical Data Sheet

Applications

- Cast film extrusion
- Cast stretch film

Product Description

HIFOR® LF2052 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 | 3.5 g/10 min |
| Density (Base Formulation) | | D 1505 | 918 kg/m3 (0.918 g/cm3) |
| Dart Impact | | D 1709 | 95 g |
| Haze (Base Formulation) | | D 1003 | 1.5% |
| Elmendorf Tear Resistance | M.D. | D 1922 | 300 gf |
| | T.D. | D 1922 | 700 gf |
| Tensile Strength @ Break | M.D. | D 882 | 50.3 MPa (7,300 psi) |
| | T.D. | D 882 | 33.8 MPa (4,900 psi) |
| Elongation @ Break | M.D. | D 882 | 500% |
| | T.D. | D 882 | 850% |
| 1% Secant Modulus | M.D. | D 882 | 137.9 MPa (20,000 psi) |
| | T.D. | D 882 | 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® LF2052.

Regulatory Compliance

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

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