

Technical Data Sheet

Applications

- Agricultural films
- Consumer trash bags
- Shrink films

Product Description

HIFOR XTREME® LF74850 is a high-strength hexene LLDPE designed for blown film extrusion. This resin contains no slip or antiblock. Films produced with this resin exhibit exceptional toughness, high stiffness and ultimate tensile strength, and excellent gloss and clarity.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)		D 1238	0.55 g/10 min
Density (Base Formulation)		D 1505	924 kg/m ³ (0.924 g/cm ³)
Dart Impact		D 1709	50 g
Haze (Base Formulation)		D 1003	12.0%
Gloss @ 45° (Base Formulation)		D 2457	85
Tensile Strength @ Break	M.D. T.D.	D 882 D 882	53.8 MPa (7,800 psi) 36.5 MPa (5,300 psi)
Elongation @ Break	M.D. T.D.	D 882 D 882	550% 1,000%
1% Secant Modulus	M.D. T.D.	D 882 D 882	399.9 MPa (58,000 psi) 572.3 MPa (83,000 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 410°F - 450°F are recommended for HIFOR XTREME® LF74850 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.

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