

Technical Data Sheet

Applications

- Ice bags
- Heavy-duty films
- Agricultural films

Product Description

HIFOR® LT74157 is a high-strength hexene LLDPE containing PFAS-free process aid for ease of extrusion and no slip or antiblock. It is designed for blown film applications and is well suited for consumer and industrial packaging markets which require impact and tear strength.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)		D 1238	0.5 g/10 min
Density (Base Formulation)		D 1505	920 kg/m ³ (0.920 g/cm ³)
Dart Impact		D 1709	200 g
Haze (Base Formulation)		D 1003	8.0%
Gloss @ 45° (Base Formulation)		D 2457	67
Tensile Strength @ Break	M.D. T.D.	D 882 D 882	58.6 MPa (8,500 psi) 48.3 MPa (7,000 psi)
Elongation @ Break	M.D. T.D.	D 882 D 882	550% 900%
1% Secant Modulus	M.D. T.D.	D 882 D 882	186.2 MPa (27,000 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 400°F - 430°F are recommended for HIFOR® LT74157 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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