

Technical Data Sheet

Applications

- Vegetable packaging
- Bread bags
- Ice bags

Product Description

HIFOR® LT74104 is a high-strength hexene LLDPE with no slip or 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 allows production of films at thin gauges with few imperfections.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)		D 1238	1.0 g/10 min
Density (Base Formulation)		D 1505	920 kg/m ³ (0.920 g/cm ³)
Dart Impact		D 1709	170 g
Haze (Base Formulation)		D 1003	8.0%
Gloss @ 45° (Base Formulation)		D 2457	60
Tensile Strength @ Break	M.D.	D 882	50.3 MPa (7,300 psi)
	T.D.	D 882	39.3 MPa (5,700 psi)
Elongation @ Break	M.D.	D 882	750%
	T.D.	D 882	1,000%
1% Secant Modulus	M.D.	D 882	220.6 MPa (32,000 psi)
	T.D.	D 882	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 420°F - 450°F are recommended for HIFOR® LT74104 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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