

Technical Data Sheet

Applications

- Agricultural films
- Consumer trash bags
- Shrink films

Product Description

HIFOR CLEAR® LF74563 is a high-clarity butene LLDPE with excellent mechanical and downgauging advantages. This product does not contain slip or antiblock and is suitable for can liners, agricultural film, shrink film, and blending with LDPE.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)		D 1238	0.8 g/10 min
Density (Base Formulation)		D 1505	922 kg/m ³ (0.922 g/cm ³)
Dart Impact		D 1709	60 g
Haze (Base Formulation)		D 1003	4.5%
Gloss @ 45° (Base Formulation)		D 2457	80
Tensile Strength @ Break	M.D.	D 882	48.3 MPa (7,000 psi)
	T.D.	D 882	35.9 MPa (5,200 psi)
Elongation @ Break	M.D.	D 882	650%
	T.D.	D 882	1,000%
1% Secant Modulus	M.D.	D 882	244.8 MPa (35,500 psi)
	T.D.	D 882	337.8 MPa (49,000 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 CLEAR® LF74563 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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