

Technical Data Sheet

Applications

- Frozen food films
- High-clarity bread bags
- Ice bags

Product Description

HIFOR CLEAR® LF74580 is a high-strength and high-clarity hexene LLDPE that contains process aid and no slip or antiblock. Films produced with this resin exhibit good toughness and high stiffness, with exceptional gloss and clarity. It also works well in many shrink film applications.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)		D 1238	0.6 g/10 min
Density (Base Formulation)		D 1505	926 kg/m ³ (0.926 g/cm ³)
Dart Impact		D 1709	120 g
Haze (Base Formulation)		D 1003	5.0%
Gloss @ 45° (Base Formulation)		D 2457	75
Tensile Strength @ Break	M.D.	D 882	58.6 MPa (8,500 psi)
	T.D.	D 882	46.9 MPa (6,800 psi)
Elongation @ Break	M.D.	D 882	650%
	T.D.	D 882	950%
1% Secant Modulus	M.D.	D 882	324.1 MPa (47,000 psi)
	T.D.	D 882	503.3 MPa (73,000 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® LF74580 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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