

Technical Data Sheet

Applications

- General purpose blown film
- Heavy-duty films
- Fresh produce packaging

Product Description

HIFOR® LF74859 is a high-strength hexene LLDPE designed for blown film extrusion. This resin contains polymer processing aid, no slip, and high antiblock. Films produced with this resin exhibit exceptional toughness and high ultimate tensile strength.

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	925 kg/m ³ (0.925 g/cm ³)
Dart Impact		D 1709	150 g
Haze (Base Formulation)		D 1003	17.0%
Gloss @ 45° (Base Formulation)		D 2457	55
Tensile Strength @ Break	M.D.	D 882	61.4 MPa (8,900 psi)
	T.D.	D 882	43.4 MPa (6,300 psi)
Elongation @ Break	M.D.	D 882	750%
	T.D.	D 882	1,100%
1% Secant Modulus	M.D.	D 882	248.2 MPa (36,000 psi)
	T.D.	D 882	317.2 MPa (46,000 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® LF74859 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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