

Applications

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

Product Description

HIFOR XTREME® LF74859 is a high-strength linear low density polyethylene designed for blown film extrusion. This resin contains polymer processing aid, with no slip, and high antiblock. Films produced with this resin exhibit extreme toughness with high ultimate tensile strength.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index		D 1238	0.6 g/10 min
Density		D 1505	926 kg/m ³ (0.926 g/cm ³)
Dart Impact		D 1709	150 g/mil
Haze		D 1003	17.0%
Gloss @ 45°		D 2457	55
Ultimate Tensile	M.D.	D 882	8,900 psi
	T.D.	D 882	6,300 psi
Elongation	M.D.	D 882	750%
	T.D.	D 882	1,150%
1% Secant Modulus	M.D.	D 882	36,000 psi
	T.D.	D 882	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 mils; blow up ratio 2.5:1, die gap 100 mils.

Processing

Melt temperatures of 410°F – 450°F are recommended for HIFOR XTREME® 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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