

Applications

- Bags and sacks
- Trash bags and liners
- Co-extruded structures

Product Description

HIFOR® LF2020 is a hexene LLDPE with excellent physical properties and heat sealing characteristics which allow for down-gauging and blending with other materials. Typical applications include stretch films, heavy duty bags and sacks, and trash bags & liners.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index		D 1238	1.0 g/10 min
Density (Base Formulation)		D 1505	919 kg/m ³ (0.919 g/cm ³)
Dart Impact		D 1709	130 g/mil
Haze (Base Formulation)		D 1003	15.0%
Gloss @ 45°		D 2457	50
Elmendorf Tear	M.D.	D 1922	340 g/mil
	T.D.	D 1922	700 g/mil
Ultimate Tensile	M.D.	D 882	7,000 psi
	T.D.	D 882	4,500 psi
Elongation	M.D.	D 882	750%
	T.D.	D 882	900%
1% Secant Modulus	M.D.	D 882	30,000 psi
	T.D.	D 882	36,000 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 – 440°F are recommended for HIFOR® LF2020 with BUR 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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