

Technical Data Sheet

Applications

- Bags and sacks
- Agricultural films
- Trash bags and liners

Product Description

HIFOR® LF2010 is a hexene LLDPE resin designed with extra stiffness for heavy duty films and shipping sacks. It is suitable in co-extruded structures and can be blended with LDPE for strength property enhancements.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)		D 1238	0.85 g/10 min
Density (Base Formulation)		D 1505	925.5 kg/m ³ (0.9255 g/cm ³)
Dart Impact		D 1709	210 g
Haze (High Antiblock Formulation)		D 1003	24.0%
Elmendorf Tear Resistance	M.D. T.D.	D 1922 D 1922	180 gf 750 gf
Tensile Strength @ Break	M.D. T.D.	D 882 D 882	44.8 MPa (6,500 psi) 41.4 MPa (6,000 psi)
Elongation @ Break	M.D. T.D.	D 882 D 882	700% 900%
1% Secant Modulus	M.D. T.D.	D 882 D 882	255.1 MPa (37,000 psi) 289.6 MPa (42,000 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 400°F-440°F are recommended for HIFOR® LF2010 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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