



EF310

Low Density Polyethylene

Applications

- Bakery bags
- Soft goods packaging
- High clarity packaging
- Bags for textile items

Product Description

Westlake EF310 is an LDPE resin suggested for cast film bakery applications. This material has outstanding optical and processing properties.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index		D 1238	2.2 g/10 min
Density		D 1505	923.5 kg/m ³ (0.9235 g/cm ³)
Haze		D 1003	6.4%
Gloss @ 45°		D 2457	80
Dart Impact		D 1709	50 g/mil
Ultimate Tensile	M.D.	D 882	3,000 psi
	T.D.	D 882	2,000 psi
Elongation	M.D.	D 882	300%
	T.D.	D 882	560%
1% Secant Modulus	M.D.	D 882	23,000 psi
	T.D.	D 882	24,000 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 1.25 mils; blow up ratio 2.5:1, die gap 35 mils.

Processing

Melt temperatures of 360°F – 400°F are recommended for Westlake EF310 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.

Properties reported here are based on limited testing. Westlake makes no representation that the material in any particular shipment will conform exactly to the values given. Westlake and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.

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