

Applications

- Bakery bags
- Soft goods packaging
- High clarity packaging

Product Description

Westlake EF311 is a low-density polyethylene suggested for cast film clarity applications. This material has very good optical properties, and is suggested for bakery films and soft goods packaging.

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 kg/m ³ (0.923 g/cm ³)
Haze		D 1003	4.5 %
Specular Gloss @ 45°		D 2457	77
Dart Impact		D 1709	75 g/mil
Ultimate Tensile	M.D.	D 882	3,300 psi
	T.D.	D 882	2,500 psi
Elongation	M.D.	D 882	550 %
	T.D.	D 882	750 %
1% Secant Modulus	M.D.	D 882	24,000 psi
	T.D.	D 882	28,000 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 2.0 mils; blow up ratio 2.5:1, die gap 35 mils.

Processing

Melt temperatures of 360° F – 400° F are recommended for Westlake EF311 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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