



# Westlake Polymers

Enhancing your life every day

## EF310

Low Density Polyethylene

### Application/Uses

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

### Product Description

WESTLAKE polyethylene EF310 is a low-density polyethylene suggested for cast film bakery applications. This material has outstanding optical and processing properties.

### Typical Physical Properties

<u>Property</u>		<u>Test Method</u>	<u>Typical Value, Units</u>
Melt Index		D 1238	2.2 g/10 min
*Density		D 1505	923.5 kg/m <sup>3</sup> (0.9235 g/cm <sup>3</sup> )
*Haze		D 1003	3.8 %
*Specular Gloss @ 45°		D 2457	80
Dart Impact		D 1709	100 g/mil
Ultimate Tensile	MD	D 882	3,400 psi
	TD	D 882	3,200 psi
Elongation	MD	D 882	575 %
	TD	D 882	750 %
1% Secant Modulus	MD	D 882	27,000 psi
	TD	D 882	33,000 psi

<sup>a</sup> Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

<sup>b</sup> Unless noted otherwise, the test method is ASTM.

<sup>c</sup> 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.

### FDA

This product has some 21 CFR clearances. Please contact Westlake Product Regulatory Department for statements.

### PROCESSING

Melt temperatures of 360° F – 390° F are recommended for Westlake EF310 with blow-up ratios of 1.5:1 or higher.

### COMMENTS

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.*