



# Westlake Polymers

Enhancing your life every day

## EF378

Low Density Polyethylene

### Application/Uses

- Diaper liners
- General purpose clarity

### Product Description

WESTLAKE EF378 is suggested for cast film applications. It has excellent haze and gloss, good strength, good processability, and good heat sealability.

### Typical Physical Properties

<u>Property</u>		<u>Test Method</u>	<u>Typical Value, Units</u>
Melt Index		D 1238	4.0 g/10 min
Density		D 1505	922 kg/m <sup>3</sup> (0.922 g/cm <sup>3</sup> )
Haze		D 1003	5.5 %
Specular Gloss @ 45°		D 2457	70
Dart Impact		D 1709	80 g/mil
Ultimate Tensile	MD	D 882	3,500 psi
	TD	D 882	2,700 psi
Elongation	MD	D 882	350 %
	TD	D 882	700 %
1% Secant Modulus	MD	D 882	25,000 psi
	TD	D 882	29,000 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 EF378 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.*

**WESTLAKE CHEMICAL CORPORATION**  
2801 Post Oak Blvd Suite 600 Houston, Texas  
Customer Service: 1-800-545-9577