



Westlake Chemical

EF412

Low Density Polyethylene

Application/Uses

- General purpose clarity packaging
- Medium duty produce bags
- Bakery bags
- Bags for textile items

Product Description

WESTLAKE polyethylene EF412 is a low-density polyethylene with very good optical and strength properties. This material is an excellent choice for bakery films and food packaging applications.

Typical Physical Properties

<u>Property</u>		<u>Test Method</u>	<u>Typical Value, Units</u>
Melt Index		D 1238	2.0 g/10 min
*Density		D 1505	923 kg/m ³ (0.923 g/cm ³)
*Haze		D 1003	4.2 %
*Specular Gloss @ 45°		D 2457	76
Dart Impact		D 1709	100 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

^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.

FDA

This resin grade complies with 21 CFR 177.1520. For further information, please contact Product Regulatory Compliance.

PROCESSING

Melt temperatures of 360° F – 390° F are recommended for Westlake Chemical EF412 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.

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