



Westlake Chemical

EP413

Low Density Polyethylene

Application/Uses

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

Product Description

WESTLAKE polyethylene EP413 is a low-density polyethylene recommended for blown or cast film clarity applications. This material has very good optical properties, and is suggested for bakery films, produce bags, and general purpose clarity applications.

Typical Physical Properties

<u>Property</u>		<u>Test Method</u>	<u>Typical Value, Units</u>
Melt Index		D 1238	3.0 g/10 min
*Density		D 1505	923 kg/m ³ (0.923 g/cm ³)
*Haze		D 1003	4.0 %
*Specular Gloss @ 45°		D 2457	80
Dart Impact		D 1709	100 g/mil
Ultimate Tensile	MD	D 882	3,800 psi
	TD	D 882	2,500 psi
Elongation	MD	D 882	485 %
	TD	D 882	700 %
1% Secant Modulus	MD	D 882	27,000 psi
	TD	D 882	30,000 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 EP413 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