



# 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

Property		Test Method	Typical Value, Units
Melt Index		D 1238	3.0 g/10 min
*Density		D 1505	923 kg/m <sup>3</sup> (0.923 g/cm <sup>3</sup> )
*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

<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 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.

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