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^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.