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

Property		Test Method	Typical Value, Units
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.