



Westlake Chemical

EF403

Low Density Polyethylene

Application/Uses

- Medium duty produce bags
- Good clarity shrink film
- Bags for textile items
- Beverage/Bottle overwrap

Product Description

WESTLAKE polyethylene EF403 is a fractional melt low-density formulation suggested for use in clarity shrink applications. This LDPE formula exhibits excellent shrinkability, and has very good optical properties.

Typical Physical Properties

Property		Test Method	Typical Value, Units
Melt Index		D 1238	0.80 g/10 min
*Density		D 1505	924 kg/m ³ (0.924 g/cm ³)
*Haze		D 1003	4.0 %
*Specular Gloss @ 45°		D 2457	75
Dart Impact		D 1709	125 g/mil
Ultimate Tensile	MD	D 882	4,400 psi
	TD	D 882	3,400 psi
Elongation	MD	D 882	500 %
	TD	D 882	700 %
1% Secant Modulus	MD	D 882	26,000 psi
	TD	D 882	32,000 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

Kosher Compliant. 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 EF403 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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