



Westlake Chemical

EF677

Low Density Polyethylene

Application/Uses

- High drawdown garment films
- Laundry and dry cleaning films

Product Description

Westlake EF677 is a high melt index LDPE resin suggested for garment films, or other applications requiring excellent drawdown. This material is also an excellent choice for PE foam applications.

Typical Physical Properties

<u>Property</u>		<u>Test Method</u>	<u>Typical Value, Units</u>
Melt Index		D 1238	7.0 g/10 min
*Density		D 1505	919 kg/m ³ (0.919 g/cm ³)
Dart Impact		D 1709	95 g/mil
Ultimate Tensile	MD	D 882	3,000 psi
	TD	D 882	2,200 psi
Ultimate Elongation	MD	D 882	250 %
	TD	D 882	600 %
1% Secant Modulus	MD	D 882	20,000 psi
	TD	D 882	22,000 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 2.0 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 – 400° F are recommended for Westlake Chemical EF677 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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