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

Property		Test Method	Typical Value, Units
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.