

Technical Data Sheet

Applications

- High drawdown garment films
- Laundry and dry-cleaning films
- Foams

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 ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)		D 1238	7.0 g/10 min
Density (Base Formulation)		D 1505	919 kg/m ³ (0.919 g/cm ³)
Dart Impact		D 1709	92 g
Tensile Strength @ Break	M.D.	D 882	25.5 MPa (3,700 psi)
	T.D.	D 882	16.5 MPa (2,400 psi)
Elongation @ Break	M.D.	D 882	340 %
	T.D.	D 882	750 %
1% Secant Modulus	M.D.	D 882	172.4 MPa (25,000 psi)
	T.D.	D 882	200 MPa (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 2.0 mils; blow up ratio 2.5:1, die gap 35 mils.

Processing

Melt temperatures of 360°F – 400°F are recommended for Westlake EF677 with blow-up ratios of 1.5:1 or higher.

Regulatory Compliance

This product has some 21 CFR clearances. Please contact your Westlake Sales Representative for food contact statements.

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