Manufacturer website: https://www.westlake.com/

Westlake Polyethylene™

# EF600

Low Density Polyethylene

# Technical Data Sheet

## Applications

- Heavy duty bags
- Heavy duty shipping sacks
- Industrial shrink film
- Heavy duty C&A sheeting

## Product Description

Westlake EF600 is a fractional melt LDPE with excellent toughness. This material contains zero slip and zero anti-block. It is recommended in heavy duty films and shipping sacks and in industrial shrink applications. It can be used as a bubble stabilizer in LLDPE rich films.

## Typical Physical Properties

| Property [a] | | Test Method [b] | Typical Value, Units [c] |
|---|---|---|---|
| Melt Index (Condition 190°C/2.16 kg) | | D 1238 | 0.18 g/10 min |
| Density (Base Formulation) | | D 1505 | 920 kg/m³ (0.920 g/cm³) |
| Dart Impact | | D 1709 | 260 g |
| Coefficient of Friction | | D 1894 | 1.5 |
| Tensile Strength @ Break | M.D.<br>T.D. | D 882<br>D 882 | 30.3 MPa (4,400 psi)<br>27.6 MPa (4,000 psi) |
| Elongation @ Break | M.D.<br>T.D. | D 882<br>D 882 | 450 %<br>830 % |
| 1% Secant Modulus | M.D.<br>T.D. | D 882<br>D 882 | 241 MPa (35,000 psi)<br>193 MPa (28,000 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 2.5 mils; blow up ratio 2.5:1, die gap 35 mils.

## Processing

Melt temperatures of 410°F – 460°F are recommended for Westlake Chemical EF600 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.

*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. Westlake and its marketing affiliates shall not be responsible for the use of this information, or of any product, method, or apparatus mentioned, and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and for the health and safety of your employees and purchasers of your products. No warranty is made of the merchantability of fitness of any product, and nothing herein waives any of the Seller's conditions of sale.*

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