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

Westlake Polyethylene™

EF606

Low Density Polyethylene

Technical Data Sheet

Applications

- Trash bags
- General purpose liners
- Multiwall liners
- Industrial liners

Product Description

Westlake EF606 is an LDPE resin suggested for use in multiwall and general purpose liners, and for use as a blend resin in general purpose packaging applications. It has excellent processability, and is a superb bubble stabilizer in LLDPE rich blends.

Typical Physical Properties

Property [a]		Test Method [b]	Typical Value, Units [c]
Melt Index (Condition 190°C/2.16 kg)		D 1238	2.20 g/10 min
Density (Base Formulation)		D 1505	919 kg/m³ (0.919 g/cm³)
Dart Impact		D 1709	125 g
Tensile Strength @ Break	M.D. T.D.	D 882 D 882	26.9 MPa (3,900 psi) 17.9 MPa (2,600 psi)
Elongation @ Break	M.D. T.D.	D 882 D 882	400 % 840 %
1% Secant Modulus	M.D. T.D.	D 882 D 882	165.5 MPa (24,000 psi) 206.8 MPa (30,000 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 EF606 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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