



EF796

Low Density Polyethylene

Applications

- Disposable diaper film
- Food contact applications
- Industrial packaging

Product Description

Westlake EF796 is an LDPE resin suggested for film applications, such as converter film for industrial packaging and general purpose packaging film, which require a good balance of physical properties.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index		D 1238	2.5 g/10 min
Density		D 4883	921 kg/m ³ (0.921 g/cm ³)
Vicat Softening Point		D 1525	94°C (201°F)
Haze		D 1003	4.8%
Gloss @ 45°		D 2457	78
Dart Impact		D 1709	80 g/mil
Ultimate Tensile	M.D.	D 882	3,800 psi
	T.D.	D 882	2,800 psi
Elongation	M.D.	D 882	380%
	T.D.	D 882	850%
1% Secant Modulus	M.D.	D 882	25,000 psi
	T.D.	D 882	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 1.5 mils; blow up ratio 2.4:1, die gap 50 mils.

Processing

Melt temperatures of 360°F – 400°F are recommended for Westlake EF796 with blow-up ratios of 2.4:1 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.

Westlake Polymers LLC
 2801 Post Oak Boulevard, Suite 600
 Houston, Texas 77056
 1.800.545.9577
www.westlake.com

05/18/20