

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. T.D.	D 882 D 882	3,800 psi 2,800 psi
Elongation	M.D. T.D.	D 882 D 882	380% 850%
1% Secant Modulus	M.D. T.D.	D 882 D 882	25,000 psi 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.

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