

Applications

- Shrink film
- Frozen food packaging

Product Description

Westlake EF1807 is a fractional melt LDPE resin suggested for film applications that require toughness, such as shrink films and frozen food packaging.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index		D 1238	0.70 g/10 min
Density		D 4883	921 kg/m ³ (0.921 g/cm ³)
Haze		D 1003	8.3%
Gloss @ 45°		D 2457	68
Dart Impact		D 1709	100 g/mil
Ultimate Tensile	M.D.	D 882	3,600 psi
	T.D.	D 882	2,800 psi
Elongation	M.D.	D 882	250%
	T.D.	D 882	740%
1% Secant Modulus	M.D.	D 882	27,000 psi
	T.D.	D 882	33,000 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 2.5:1, die gap 50 mils.

Processing

Melt temperatures of 360°F – 400°F are recommended for Westlake EF1807 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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