



Westlake Polymers

Enhancing your life every day

EF1807

EF1807AP = D4004F
EF1807AY = E6838-969F

Application/Uses

- Shrink film
- Frozen food packaging

Product Description

Westlake Polyethylene EF1807 is a low density formulation suggested for film applications that require toughness.

Typical Physical Properties

Property ^a		Test ^b Method	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)		D 1238	0.7 g/10 min
Density		D 4883	921 kg/m ³ (0.921 g/cm ³)
Haze		D 1003	4.0%
Gloss @ 45°		D 2457	80
Impact		D 1709A	110 g
Tensile Strength @ Break	M.D.	D 882	33 MPa (4800 psi)
	T.D.	D 882	22 MPa (3100 psi)
Elongation (%)	M.D.	D 882	200%
	T.D.	D 882	800%
1% Secant Modulus	M.D.	D 882	220 MPa (32000 psi)
	T.D.	D 882	274 MPa (40000 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.

FDA

This product has some 21 CFR clearances. Please contact Westlake Product Regulatory Department for statements.

PROCESSING

Melt temperatures of 360° F – 380° F are recommended for Westlake EF1807 with blow-up ratios of 2.4:1 or higher.

COMMENTS

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.

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