

Applications

- Cast film
- Foam

Product Description

Westlake EF706 is an LDPE resin suggested for blown or cast film applications where stiffness and machinability are important as well as for foam applications.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index		D 1238	2.30 g/10 min
Density		D 1505	923 kg/m ³ (0.923 g/cm ³)
Dart Impact		D 1709	85 g/mil
Ultimate Tensile	M.D.	D 882	3,500 psi
	T.D.	D 882	2,800 psi
Elongation	M.D.	D 882	400%
	T.D.	D 882	850%
1% Secant Modulus	M.D.	D 882	30,000 psi
	T.D.	D 882	35,000 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 380°F – 410°F are recommended for Westlake Chemical EF706 in blown film applications with blow-up ratios of 1.5:1 or higher. Melt temperatures of 520°F – 550°F are recommended for EF706 in cast film applications.

Regulatory Compliance

This product has some 21 CFR clearances. Please contact your Westlake Sales Representative for food contact statements.

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