

Technical Data Sheet

Applications

- Cast film

Product Description

Westlake EG736 is an LDPE resin suggested for use in cast or blown film applications. This material has good clarity, good strength, and excellent processability.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)		D 1238	3.0 g/10 min
Density (Base Formulation)		D 1505	923 kg/m ³ (0.923 g/cm ³)
Haze (Base Formulation)		D 1003	8.0 %
Gloss @ 45° (Base Formulation)		D 2457	62
Dart Impact		D 1709	60 g
Tensile Strength @ Break	M.D. T.D.	D 882 D 882	24.1 MPa (3,500 psi) 15.9 MPa (2,300 psi)
Elongation @ Break	M.D. T.D.	D 882 D 882	350 % 800 %
1% Secant Modulus	M.D. T.D.	D 882 D 882	193 MPa (28,000 psi) 241.3 MPa (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 1.25 mils; blow up ratio 2.5:1, die gap 35 mils.

Processing

Melt temperatures of 350°F – 380°F are recommended for Westlake EG736 with blow-up ratios of 1.5:1 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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