

Technical Data Sheet

Applications

- Diaper liners
- General purpose clarity
- Multi-layered packaging films

Product Description

Westlake EG378 LDPE is suggested for cast film applications. It has excellent haze and gloss, good strength, good processability, and good heat sealability. This Kosher-compliant resin is enhanced with an increased stabilization package for excellent thermal stability during processing.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)		D 1238	4.0 g/10 min
Density (Base Formulation)		D 1505	922 kg/m ³ (0.922 g/cm ³)
Haze (Base Formulation)		D 1003	5.5 %
Gloss @ 45° (Base Formulation)		D 2457	70
Dart Impact		D 1709	80 g
Tensile Strength @ Break	M.D.	D 882	24.1 MPa (3,500 psi)
	T.D.	D 882	18.6 MPa (2,700 psi)
Elongation @ Break	M.D.	D 882	350 %
	T.D.	D 882	700 %
1% Secant Modulus	M.D.	D 882	172.4 MPa (25,000 psi)
	T.D.	D 882	200 MPa (29,000 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 360°F – 400°F are recommended for Westlake EG378 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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