

Technical Data Sheet

Applications

- Converter film for food / industrial packaging
- Flexible medical
- Injection molding

Product Description

Westlake EN1817 is an LDPE resin suggested for injection molding applications and film applications requiring high clarity, good tear and impact strength, good printability, and a wide heat-sealing range.

Typical Physical Properties

Property ^a		Test Method ^b	Typical Value, Units ^c
Melt Index (Condition 190°C/2.16 kg)		D 1238	1.7 g/10 min
Density		D 1505	920 kg/m ³ (0.920 g/cm ³)
Peak Melting Point by DSC (T _m)		D 3418	112.0°C (233.6°F)
Haze		D 1003	6.0 %
Gloss @ 45°		D 2457	70
Dart Impact		D 1709	110 g/mil
Tensile Strength @ Break	M.D. T.D.	D 882 D 882	33.8 MPa (4,900 psi) 22 MPa (3,200 psi)
Elongation @ Break	M.D. T.D.	D 882 D 882	300 % 850 %
1% Secant Modulus	M.D. T.D.	D 882 D 882	206.8 MPa (30,000 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 1.5 mils; blow up ratio 2.4:1, die gap 50 mils.

Processing

Melt temperatures of 360°F – 400°F are recommended for Westlake EN1817 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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