Westlake Chemical

EN1817

Low Density Polyethylene

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		D 1238	1.7 g/10 min
Density		D 4883	920 kg/m^3 (0.920 g/cm^3)
Peak Melting Point by DSC		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
Ultimate Tensile	M.D. T.D.	D 882 D 882	4,900 psi 3,200 psi
Elongation	M.D. T.D.	D 882 D 882	300% 850%
1% Secant Modulus	M.D. T.D.	D 882 D 882	30,000 psi 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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