Westlake Chemical

EG417

Low Density Polyethylene

Applications

- Blown film with increased stiffness

Product Description

Westlake EG417 LDPE resin is designed for blown film extrusion. This material is designed to provide increased stiffness as well as improved tear and impact strength properties.

Typical Physical Properties

Property [a]		Test Method [b]	Typical Value, Units [c]
Melt Index		D 1238	2.00 g/10 min
Density		D 1505	923 kg/m^3 (0.923 g/cm^3)
Haze		D 1003	4.5%
Gloss @ 45°		D 2457	86
Dart Impact		D 1709	100 g/mil
Ultimate Tensile	M.D. T.D.	D 882 D 882	4,100 psi 3,000 psi
Elongation	M.D. T.D.	D 882 D 882	450% 900%
1% Secant Modulus	M.D. T.D.	D 882 D 882	28,000 psi 34,000 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 370°F – 410°F are recommended for Westlake EG417 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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