Westlake Chemical

EB171

Low Density Polyethylene

Applications

- Beverage overwrap / shrink film
- Fresh produce bags
- Food packaging

Product Description

EB171 is a low density polyethylene resin with high stiffness, good TD shrinkage and excellent toughness. It is suggested for uses in flexible packaging including shrink film and product bags.

Typical Physical Properties

Property [a]		Test Method [b]	Typical Value, Units [c]
Melt Index		D 1238	1.6 g/10 min
Density		D 1505	932 kg/m^3 (0.932 g/cm^3)
Haze		D 1003	8.0 %
Gloss @ 45°		D 2457	65
Ultimate Tensile	M.D. T.D.	D 882 D 882	3,800 psi 2,700 psi
Elongation	M.D. T.D.	D 882 D 882	300% 800%
1% Secant Modulus	M.D. T.D.	D 882 D 882	49,000 psi 65,000 psi
Dart Impact		D 1709	<65 g/mil

[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 2.0 mils; blow up ratio 2.5:1, die gap 35 mils.

Processing

Melt temperatures of 360° F – 400° F are recommended for Westlake Chemical EB171 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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