



# Westlake Polymers

Enhancing your life every day

## EB171

Medium Density Polyethylene

### Application/Uses

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

### Product Description

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

### Typical Physical Properties <sup>a</sup>

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

<sup>a</sup> Unless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

<sup>b</sup> Unless noted otherwise, the test method is ASTM.

<sup>c</sup> Units are in SI or US customary units.

### NOTES

Test specimens for blown film: nominal thickness 1.3 mils; blow up ratio 2.5:1, die gap 50 mils.

### FDA

This product has some 21 CFR clearances. Please contact Westlake Product Regulatory Department for statements.

### PROCESSING

Extrusion melt temperatures of 380° – 410° F are recommended for Westlake MDPE EB171 with blow-up ratios of 2.0:1 or higher to maximize TD shrinkage.

### NOTICE

The data listed represents typical values as measured by Westlake. They are given for information only, and not guarantee of their accuracy is made. The product is sold upon condition that purchasers shall make their own tests to determine the characteristics of the product and the suitability of the product for their particular purpose.

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