

## Westlake EB171 MDPE Medium Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE

**Material Notes:**

Westlake EF171 is a MDPE resin suggested for use in shrink packaging applications. This material has good TD shrinkage, good optical properties, excellent machinability, and toughness. This resin grade complies with 21 CFR 177.1520. Melt temperatures of 380 $\frac{1}{2}$  F  $\frac{1}{2}$  410 $\frac{1}{2}$  F are recommended for Westlake Chemical EB171 with blow-up ratios of 2.0:1 or higher. It is Kosher compliant. Test specimens for blown film: nominal thickness 1.3 mils; blow up ratio 2.5:1, die gap 50 mils. Resin contains low slip, low antiblock.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Westlake-EB171-MDPE-Medium-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Westlake-EB171-MDPE-Medium-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in <sup>3</sup>	ASTM-D1505
Thickness	33.0 microns	1.30 mil	
Melt Flow	1.6 g/10 min	1.6 g/10 min	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	300 %	300 %	ASTM-D882
Film Elongation at Break, TD	800 %	800 %	ASTM-D882
Dart Drop	<= 2.56 g/micron	<= 65.0 g/mil	ASTM-D1709
Film Tensile Strength at Break, MD	26.2 MPa	3800 psi	ASTM-D882
Film Tensile Strength at Break, TD	18.6 MPa	2700 psi	ASTM-D882
1% Secant Modulus, MD	338 MPa	49000 psi	ASTM-D882
1% Secant Modulus, TD	448 MPa	65000 psi	ASTM-D882

Processing Properties	Metric	English	Comments
Melt Temperature	193 - 210 °C	380 - 410 °F	
Blow-up Ratio (BUR)	2.5	2.5	

Descriptive Properties	Value	Comments
Process	Film	
Region	US & Canada	Bamberger Polymers Distribution

**Contact Songhan Plastic Technology Co.,Ltd.**

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