

## Westlake EF403 Low Density Polyethylene

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

**Material Notes:**

WESTLAKE polyethylene EB403 is a fractional melt low-density formulation suggested for use in clarity shrink applications. This LDPE formula exhibits excellent shrinkability, and has very good optical properties, and has an enhanced stabilization package for thermal stability during extrusion. Application/Uses Medium duty produce bags Good clarity shrink film Bags for textile items Beverage overwrap shrink film FDA: This material complies with FDA regulations in 21 CFR, section 177.1520. Kosher Compliant. All information provided by Westlake Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Westlake-EF403-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Westlake-EF403-Low-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in <sup>3</sup>	ASTM D1505
Thickness	31.8 microns	1.25 mil	
Melt Flow	0.80 g/10 min	0.80 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	700 %	700 %	ASTM D882
Dart Drop	4.92 g/micron	125 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	30.0 MPa	4350 psi	ASTM D882
Film Tensile Strength at Break, TD	23.0 MPa	3340 psi	ASTM D882
1% Secant Modulus, MD	179 MPa	26000 psi	ASTM D882
1% Secant Modulus, TD	221 MPa	32000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	4.0 %	4.0 %	ASTM D1003
Gloss	75 %	75 %	at 45°; ASTM D2457

Processing Properties	Metric	English	Comments
Melt Temperature	182 - 199 °C	360 - 390 °F	with BUR of 1.5:1 or higher
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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