

## Westlake EF602 Low Density Polyethylene

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

### Material Notes:

Westlake EF602 is a fractional melt LDPE with excellent toughness. It is suggested in heavy duty films and shipping sacks, and in industrial shrink applications. It can be used as a bubble stabilizer in LLDPE rich films. Application/Uses Heavy duty refuse bags and liners Industrial shrink film Bundling and casewrap 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-EF602-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Westlake-EF602-Low-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in <sup>3</sup>	ASTM D1505
Thickness	50.8 microns	2.00 mil	
Melt Flow	0.60 g/10 min @Load 2.16 kg, Temperature 190 °C	0.60 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	145 %	145 %	ASTM D882
Film Elongation at Break, TD	680 %	680 %	ASTM D882
Dart Drop	5.04 g/micron	128 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	17.2 MPa	2500 psi	ASTM D882
Film Tensile Strength at Break, TD	10.3 MPa	1500 psi	ASTM D882
1% Secant Modulus, MD	165 MPa	24000 psi	ASTM D882
1% Secant Modulus, TD	217 MPa	31500 psi	ASTM D882

Processing Properties	Metric	English	Comments
Melt Temperature	182 - 204 °C	360 - 400 °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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