

## Westlake EF706 Low Density Polyethylene

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

### Material Notes:

Westlake EF706 is a high melt index LDPE resin suggested for thin gauge garment films and other films requiring excellent drawdown. The high melt index makes this material a good choice in compounding applications as a carrier for masterbatch or other concentrates. Application/Uses Compounding base resin Color concentrates Additive masterbatches 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-EF706-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Westlake-EF706-Low-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in <sup>3</sup>	ASTM D1505
Thickness	50.8 microns	2.00 mil	
Melt Flow	2.3 g/10 min @Load 2.16 kg, Temperature 190 °C	2.3 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	300 %	300 %	ASTM D882
Film Elongation at Break, TD	700 %	700 %	ASTM D882
Dart Drop	3.74 g/micron	95.0 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	26.9 MPa	3900 psi	ASTM D882
Film Tensile Strength at Break, TD	20.0 MPa	2900 psi	ASTM D882
1% Secant Modulus, MD	19.3 MPa	2800 psi	ASTM D882
1% Secant Modulus, TD	248 MPa	36000 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	

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

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