

Westlake EF601 Low Density Polyethylene

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

Material Notes:

Westlake EF601 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 bags Heavy duty shipping sacks Industrial shrink film Heavy duty C&A sheeting 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-EF601-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in ³	ASTM D1505
Thickness	50.8 microns	2.00 mil	
Melt Flow	0.25 g/10 min @Load 2.16 kg, Temperature 190 °C	0.25 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	250 %	250 %	ASTM D882
Film Elongation at Break, TD	750 %	750 %	ASTM D882
Coefficient of Friction	0.50	0.50	ASTM D1894
Dart Drop	9.84 g/micron	250 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	24.1 MPa	3500 psi	ASTM D882
Film Tensile Strength at Break, TD	18.6 MPa	2700 psi	ASTM D882
1% Secant Modulus, MD	152 MPa	22000 psi	ASTM D882
1% Secant Modulus, TD	193 MPa	28000 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 Descriptive Properties	US & Canada Value	Bamberger Polymers Distribution Comments
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