

Westlake EF606 Low Density Polyethylene

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

Material Notes:

Westlake EF606 is a LDPE resin suggested for use in multiwall and general purpose liners, and for use as a blend resin in general purpose packaging applications. It has excellent processability, and is an excellent bubble stabilizer in LLDPE rich blends. Application/Uses Trash bags General purpose liners Multiwall liners Industrial liners 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-EF606-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	2.2 g/10 min @Load 2.16 kg, Temperature 190 °C	2.2 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	600 %	600 %	ASTM D882
Dart Drop	4.92 g/micron	125 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	26.9 MPa	3900 psi	ASTM D882
Film Tensile Strength at Break, TD	17.9 MPa	2600 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	US & Canada	Bamberger Polymers Distribution

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