

Westlake EF677 Low Density Polyethylene

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

Material Notes:

Westlake EF677 is a high melt index LDPE resin suggested for garment films, or other applications requiring excellent drawdown. This material is also an excellent choice for PE foam applications. Application/Uses High drawdown garment films Laundry and dry cleaning films 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-EF677-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	7.0 g/10 min @Load 2.16 kg, Temperature 190 °C	7.0 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	600 %	600 %	ASTM D882
Dart Drop	3.74 g/micron	95.0 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	20.7 MPa	3000 psi	ASTM D882
Film Tensile Strength at Break, TD	15.2 MPa	2200 psi	ASTM D882
1% Secant Modulus, MD	138 MPa	20000 psi	ASTM D882
1% Secant Modulus, TD	152 MPa	22000 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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