

Westlake EP310 Low Density Polyethylene

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

Material Notes:

WESTLAKE polyethylene EP310 is a low-density polyethylene suggested for cast film bakery applications. This material has outstanding optical and processing properties. Application/Uses Bakery bags Soft goods packaging High clarity packaging Bags for textile items 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-EP310-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.9235 g/cc	0.03336 lb/in ³	ASTM D1505
Thickness	31.8 microns	1.25 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	575 %	575 %	ASTM D882
Film Elongation at Break, TD	750 %	750 %	ASTM D882
Dart Drop	3.94 g/micron	100 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	23.4 MPa	3400 psi	ASTM D882
Film Tensile Strength at Break, TD	22.1 MPa	3200 psi	ASTM D882
1% Secant Modulus, MD	186 MPa	27000 psi	ASTM D882
1% Secant Modulus, TD	228 MPa	33000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	3.8 %	3.8 %	ASTM D1003
Gloss	80 %	80 %	at 45°; ASTM D2457

Processing Properties	Metric	English	Comments
Melt Temperature	182 - 199 °C	360 - 390 °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.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China