

Westlake EF796 Low Density Polyethylene

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

Material Notes:

Westlake Polyethylene EF796 is a low density formulation suggested for film applications requiring a good balance of properties such as converter film for industrial packaging and general-purpose packaging. Application/Uses Disposable diaper film Food-contact applications Industrial packaging 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-EF796-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ASTM D1505
Thickness	38.1 microns	1.50 mil	
Melt Flow	2.5 g/10 min @Load 2.16 kg, Temperature 190 °C	2.5 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
Dart Drop Test	100 g	0.221 lb	ASTM D1709
Film Tensile Strength at Break, MD	26.2 MPa	3800 psi	ASTM D882
Film Tensile Strength at Break, TD	18.6 MPa	2700 psi	ASTM D882
1% Secant Modulus, MD	186 MPa	27000 psi	ASTM D882
1% Secant Modulus, TD	221 MPa	32000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	94.0 °C	201 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	6.0 %	6.0 %	ASTM D1003
Gloss	70 %	70 %	at 45°; ASTM D2457

Processing Properties	Metric	English	Comments
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Processing Properties	Metric 93 °C	English 110 °F	Comments 2.4:1 or higher
Blow-up Ratio (BUR)	2.4	2.4	

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