

Dow LDPE 494A Low Density Polyethylene, Film Grade

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Film Grade

Material Notes:

DOW LDPE 494A resin, is a high strength, general purpose resin used for shipping sack, industrial liner and produce film applications. DOW LDPE 494A resin can be blended with most linear low density polyethylene resins to enhance bubble stability. It contains medium levels of antiblock additive. It complies with U.S.FDA regulation 21 CFR 177.1520(c) 2.1 for food contact applications. The regulation should be consulted for complete details. Film properties below based on a film thickness of 40 µm. Data provided by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-LDPE-494A-Low-Density-Polyethylene-Film-Grade.php

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/in ³	
Thickness	40.0 microns	1.57 mil	
Melt Flow	0.80 g/10 min @Load 2.16 kg	0.80 g/10 min @Load 4.76 lb	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	12.0 MPa	1740 psi	
Film Tensile Strength at Yield, TD	11.6 MPa	1680 psi	
Film Elongation at Break, MD	190 %	190 %	
Film Elongation at Break, TD	520 %	520 %	
Coefficient of Friction	0.50	0.50	
Elmendorf Tear Strength MD	270 g	270 g	
Elmendorf Tear Strength TD	100 g	100 g	
Elmendorf Tear Strength, MD	6.80 g/micron	173 g/mil	
Elmendorf Tear Strength, TD	2.50 g/micron	63.5 g/mil	
Dart Drop	3.50 g/micron	88.9 g/mil	
Film Tensile Strength at Break, MD	27.0 MPa	3920 psi	
Film Tensile Strength at Break, TD	21.7 MPa	3150 psi	

Processing Properties	Metric	English	Comments
Processing Temperature	204 °C	399 °F	Film extrusion temperature

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