

Dow LDPE 586A Low Density Polyethylene, Packaging Grade

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

Material Notes:

DOW LDPE 586A resin is used for general purpose packaging applications. It contains medium levels of slip additive and low levels of antiblock additive. This material 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-586A-Low-Density-Polyethylene-Packaging-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	3.0 g/10 min	3.0 g/10 min	
	@Load 2.16 kg	@Load 4.76 lb	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.7 MPa	1550 psi	
Film Tensile Strength at Yield, TD	10.7 MPa	1550 psi	
Film Elongation at Break, MD	400 %	400 %	
Film Elongation at Break, TD	540 %	540 %	
Coefficient of Friction	0.10	0.10	
Elmendorf Tear Strength MD	460 g	460 g	
Elmendorf Tear Strength TD	310 g	310 g	
Elmendorf Tear Strength, MD	11.5 g/micron	292 g/mil	
Elmendorf Tear Strength, TD	7.80 g/micron	198 g/mil	
Dart Drop	1.90 g/micron	48.3 g/mil	
Film Tensile Strength at Break, MD	21.4 MPa	3100 psi	
Film Tensile Strength at Break, TD	15.2 MPa	2200 psi	

Optical Properties	Metric	English	Comments
Haze	6.3 %	6.3 %	
Gloss	69 %	69 %	45°

Optical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Processing Temperature	191 °C	376 °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