

Dow LDPE 6811 Low Density Polyethylene, Liner Film Grade

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

Material Notes:

DOW LDPE 6811 resin is a barefoot general purpose medium duty liner film resin for packaging applications. 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-6811-Low-Density-Polyethylene-Liner-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	1.2 g/10 min @Load 2.16 kg	1.2 g/10 min @Load 4.76 lb	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	12.4 MPa	1800 psi	Molded property
Film Tensile Strength at Yield, MD	11.7 MPa	1700 psi	
Film Tensile Strength at Yield, TD	10.7 MPa	1550 psi	
Tensile Strength, Yield	8.30 MPa	1200 psi	Molded property
Film Elongation at Break, MD	425 %	425 %	
Film Elongation at Break, TD	600 %	600 %	
Elongation at Break	625 %	625 %	Molded value
Coefficient of Friction	0.70	0.70	
Elmendorf Tear Strength MD	175 g	175 g	
Elmendorf Tear Strength TD	225 g	225 g	
Elmendorf Tear Strength, MD	4.40 g/micron	112 g/mil	
Elmendorf Tear Strength, TD	5.60 g/micron	142 g/mil	
Dart Drop	3.00 g/micron	76.2 g/mil	
Film Tensile Strength at Break, MD	29.0 MPa	4210 psi	
Film Tensile Strength at Break, TD	20.0 MPa	2900 psi	

Optical Properties	Metric	English	Comments
Haze	6.0 %	6.0 %	
Gloss	65 %	65 %	45°

Processing Properties	Metric	English	Comments
Processing Temperature	177 °C	351 °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