

Dow DOWLEX™ 2027A Linear Low Density Polyethylene, Cast Film Grade

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

Material Notes:

DOWLEX® 2027A Polyethylene resin is a higher density polymer for cast film applications with improved stiffness. It complies with U.S. FDA regulation 21 CFR 177.1520 c 3.2(a) for food contact applications. The regulation should be consulted for complete details. Film properties below based on a film thickness of 25 µm. Data provided by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-DOWLEX-2027A-Linear-Low-Density-Polyethylene-Cast-Film-Grade.php

Physical Properties	Metric	English	Comments
Density	0.941 g/cc	0.0340 lb/in ³	
Thickness	25.0 microns	0.984 mil	
Melt Flow	4.0 g/10 min @Load 2.16 kg	4.0 g/10 min @Load 4.76 lb	Melt flow ratio I10/I2 is 6.8.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	13.1 MPa	1900 psi	Molded property
Film Tensile Strength at Yield, MD	16.5 MPa	2390 psi	
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	
Tensile Strength, Yield	22.1 MPa	3210 psi	Molded property
Film Elongation at Break, MD	580 %	580 %	
Film Elongation at Break, TD	740 %	740 %	
Elongation at Break	200 %	200 %	Molded value
Elmendorf Tear Strength MD	30 g	30 g	
Elmendorf Tear Strength TD	210 g	210 g	
Elmendorf Tear Strength, MD	1.20 g/micron	30.5 g/mil	
Elmendorf Tear Strength, TD	8.40 g/micron	213 g/mil	
Dart Drop	1.60 g/micron	40.6 g/mil	
Film Tensile Strength at Break, MD	39.3 MPa	5700 psi	
Film Tensile Strength at Break, TD	28.3 MPa	4100 psi	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	123 °C	253 °F	

Optical Properties	Metric	English	Comments
Haze	4.1 %	4.1 %	
Gloss	90 %	90 %	45°

Processing Properties	Metric	English	Comments
Processing Temperature	274 °C	525 °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