

Dow DOWLEX™ 2071 Linear Low Density Polyethylene

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

Material Notes:

DOWLEX® 2071 Polyethylene resin is a linear low density polyethylene resin specifically designed for the manufacture of high strength, thin gauge films for use in applications such as grocery sacks and trash bags. It contains high level of slip additive and medium level of antiblock additive. It complies with U.S. FDA regulation 21 CFR 177.1520 c 3.1 (a) for food packaging applications. The regulation should be consulted for complete details. Film properties below based on a film thickness of 38 µm. Data provided by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-DOWLEX-2071-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.928 g/cc	0.0335 lb/in³	
Thickness	38.0 microns	1.50 mil	
Melt Flow	0.85 g/10 min @Load 2.16 kg	0.85 g/10 min @Load 4.76 lb	Melt flow ratio I10/I2 is 8.5.

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	13.0 MPa	1890 psi	
Film Tensile Strength at Yield, TD	15.0 MPa	2180 psi	
Coefficient of Friction	0.20	0.20	
Elmendorf Tear Strength MD	350 g	350 g	
Elmendorf Tear Strength TD	940 g	940 g	
Elmendorf Tear Strength, MD	9.20 g/micron	234 g/mil	
Elmendorf Tear Strength, TD	24.7 g/micron	627 g/mil	
Dart Drop	5.90 g/micron	150 g/mil	
Film Tensile Strength at Break, MD	40.0 MPa	5800 psi	
Film Tensile Strength at Break, TD	31.0 MPa	4500 psi	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	112 °C	234 °F	

Optical Properties	Metric	English	Comments
Haze	10 %	10 %	

Optical Properties	Metric	English	Comments
Gloss	28 %	28 %	45'

Processing Properties	Metric	English	Comments
Processing Temperature	226 °C	439 °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