

Dow DOWLEX™ 2020G Linear Low Density Polyethylene

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE

Material Notes:

DOWLEX™ 2020G is perfect for high strength consumer trash bags/liners. This product can be used in other applications that require toughness and also offers great melt strength for high throughput rates. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-DOWLEX-2020G-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in ³	ASTM D792
Thickness	20.3 microns	0.800 mil	
Melt Flow	0.50 g/10 min	0.50 g/10 min	ASTM D1238
Antiblock Level	5100 ppm	5100 ppm	
Slip Level	900 ppm	900 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	11.0 MPa	1600 psi	ASTM D882
Film Tensile Strength at Yield, TD	10.11 MPa	1466 psi	ASTM D882
Film Elongation at Break, MD	350 %	350 %	ASTM D882
Film Elongation at Break, TD	650 %	650 %	ASTM D882
Impact	9.5	9.5	[lb_f]; Puncture Resistance; Dow Method
	800	800	[ft-lbf/in³]; Toughness MD; ASTM D882
	1000	1000	[ft-lbf/in³]; Toughness TD; ASTM D882
Elmendorf Tear Strength MD	400 g	400 g	ASTM D1922
Elmendorf Tear Strength TD	700 g	700 g	ASTM D1922
Elmendorf Tear Strength, MD	19.7 g/micron	500 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	34.4 g/micron	875 g/mil	ASTM D1922
Dart Drop Test	500 g	1.10 lb	Method A; ASTM D1709
Film Tensile Strength at Break, MD	52.4 MPa	7600 psi	ASTM D882
Film Tensile Strength at Break, TD	45.96 MPa	6666 psi	ASTM D882

Mechanical Properties

Metric

English

Comments

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