

Dow DOWLEX™ 2036G Linear Low Density Polyethylene

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

Material Notes:

Improved thermal stability for high stiffness film applications Complies with U.S. FDA 21 CFR 177.1520 (c) 3.2a Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-DOWLEX-2036G-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in ³	ASTM D792
Thickness	25.4 microns	1.00 mil	
Melt Flow	2.5 g/10 min	2.5 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	16.9 MPa	2450 psi	ASTM D882
Film Tensile Strength at Yield, TD	17.59 MPa	2551 psi	ASTM D882
Film Elongation at Break, MD	623 %	623 %	ASTM D882
Film Elongation at Break, TD	754 %	754 %	ASTM D882
Impact	125	125	[ft-lbf/in ³]; Puncture Resistance; Dow Method
	3720	3720	[ft-lbf/in ³]; Toughness TD; ASTM D882
	3910	3910	[ft-lbf/in ³]; Toughness MD; ASTM D882
Elmendorf Tear Strength MD	83 g	83 g	ASTM D1922
Elmendorf Tear Strength TD	286 g	286 g	ASTM D1922
Elmendorf Tear Strength, MD	3.27 g/micron	83.0 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	11.3 g/micron	286 g/mil	ASTM D1922
Dart Drop Test	57.0 g	0.126 lb	Method A; ASTM D1709
Film Tensile Strength at Break, MD	59.21 MPa	8587 psi	ASTM D882
Film Tensile Strength at Break, TD	39.91 MPa	5788 psi	ASTM D882

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

Melting Point Thermal Properties	125 °C Metric	257 °F English	Dow Method (DSC) Comments
Vicat Softening Point	119 °C	246 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	2.6 %	2.6 %	ASTM D1003
Gloss	90 %	90 %	45°; ASTM D2457

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