

Dow DOWLEX™ 2267G Linear Low Density Polyethylene

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

Material Notes:

A high performance stretch film resin Complies with U.S. FDA 21 CFR 177.1520 (c) 3.1a Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-DOWLEX-2267G-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in ³	ASTM D792
Thickness	50.8 microns	2.00 mil	
Melt Flow	0.85 g/10 min	0.85 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	9.342 MPa	1355 psi	ASTM D882
Film Tensile Strength at Yield, TD	9.970 MPa	1446 psi	ASTM D882
Film Elongation at Break, MD	601 %	601 %	ASTM D882
Film Elongation at Break, TD	651 %	651 %	ASTM D882
Secant Modulus, MD	0.1581 GPa	22.94 ksi	2% Secant; ASTM D882
Secant Modulus, TD	0.1852 GPa	26.87 ksi	2% Secant; ASTM D882
Impact	131	131	[ft-lbf/in³]; Puncture Resistance; Dow Method
	1049	1049	[ft-lbf/in³]; Toughness TD; ASTM D882
	1079	1079	[ft-lbf/in³]; Toughness MD; ASTM D882
Elmendorf Tear Strength MD	916 g	916 g	ASTM D1922
Elmendorf Tear Strength TD	1210 g	1210 g	ASTM D1922
Elmendorf Tear Strength, MD	18.0 g/micron	458 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	23.8 g/micron	605 g/mil	ASTM D1922
Dart Drop Test	609 g	1.34 lb	Method A; ASTM D1709
Film Tensile Strength at Break, MD	35.45 MPa	5141 psi	ASTM D882
Film Tensile Strength at Break, TD	28.59 MPa	4147 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	122 °C	252 °F	Dow Method (DSC)
Vicat Softening Point	102 °C	216 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	11 %	11 %	ASTM D1003
Gloss	68 %	68 %	45°; ASTM D2457

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