

Dow DOWLEX™ 2025G Linear Low Density Polyethylene

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

Material Notes:

DOWLEX™ 2025G is a medium modulus resin with excellent toughness properties designed for thin film applications. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-DOWLEX-2025G-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.9265 g/cc	0.03347 lb/in ³	ASTM D792
Thickness	19.0 microns	0.750 mil	
Melt Flow	0.50 g/10 min	0.50 g/10 min	ASTM D1238
Antiblock Level	2500 ppm	2500 ppm	
Slip Level	650 ppm	650 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	13.8 MPa	2000 psi	ASTM D882
Film Tensile Strength at Yield, TD	14.8 MPa	2150 psi	ASTM D882
Elmendorf Tear Strength MD	170 g	170 g	ASTM D1922
Elmendorf Tear Strength TD	650 g	650 g	ASTM D1922
Elmendorf Tear Strength, MD	8.92 g/micron	227 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	34.1 g/micron	867 g/mil	ASTM D1922
Dart Drop Test	150 g	0.331 lb	ASTM D1709
Film Tensile Strength at Break, MD	58.6 MPa	8500 psi	ASTM D882
Film Tensile Strength at Break, TD	40.0 MPa	5800 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	122 °C	252 °F	Dow Method (DSC)
Vicat Softening Point	113 °C	235 °F	ASTM D1525

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