

## Dow DOWLEX™ 2056A Linear Low Density Polyethylene, Heavy Duty Film Grade

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

### Material Notes:

DOWLEX® 2056A Polyethylene is a premier polymer for heavy duty blown film applications. It is a low gel, high consistency polymer with improved thermal stability and is an outstanding choice for critical film applications. It complies with U.S. FDA Regulation 21 CFR 177.1520 (c) 3.2 when used unmodified and according to good manufacturing practices for food contact applications, including packing or holding food during cooking. The regulation should be consulted for complete details. Film properties below based on a film thickness of 30 µm. Data provided by Dow Chemical.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-DOWLEX-2056A-Linear-Low-Density-Polyethylene-Heavy-Duty-Film-Grade.php](http://www.lookpolymers.com/polymer_Dow-DOWLEX-2056A-Linear-Low-Density-Polyethylene-Heavy-Duty-Film-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in³	
Thickness	30.0 microns	1.18 mil	
Melt Flow	1.0 g/10 min @Load 2.16 kg	1.0 g/10 min @Load 4.76 lb	Melt flow ratio I10/I2 is 8.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	26.2 MPa	3800 psi	Molded property
Film Tensile Strength at Yield, MD	10.7 MPa	1550 psi	
Film Tensile Strength at Yield, TD	10.0 MPa	1450 psi	
Tensile Strength, Yield	12.4 MPa	1800 psi	Molded property
Film Elongation at Break, MD	550 %	550 %	
Film Elongation at Break, TD	650 %	650 %	
Elongation at Break	1000 %	1000 %	Molded value
Secant Modulus, MD	0.0103 GPa	1.49 ksi	Film value
Secant Modulus, TD	0.01065 GPa	1.545 ksi	Film value
Elmendorf Tear Strength MD	375 g	375 g	
Elmendorf Tear Strength TD	600 g	600 g	
Elmendorf Tear Strength, MD	12.5 g/micron	318 g/mil	
Elmendorf Tear Strength, TD	20.0 g/micron	508 g/mil	
Dart Drop	9.20 g/micron	234 g/mil	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Break, MD	37.2 MPa	5390 psi	
Film Tensile Strength at Break, TD	39.3 MPa	5700 psi	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	106 °C	223 °F	

Optical Properties	Metric	English	Comments
Haze	5.0 %	5.0 %	
Gloss	75 %	75 %	45°

Processing Properties	Metric	English	Comments
Processing Temperature	232 °C	450 °F	Film extrusion temperature

## Contact Songhan Plastic Technology Co.,Ltd.

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