

## Dow LDPE 609A Low Density Polyethylene, High Clarity Film Grade

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

### Material Notes:

DOW LDPE 609A resin is a fully formulated high strength clarity film resin for optical packaging applications, such as produce and bakery film. It contains medium levels of slip additive and low levels of antiblock additive. This material complies with U.S.FDA regulation 21 CFR 177.1520(c) 2.1 for food contact applications. 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-LDPE-609A-Low-Density-Polyethylene-High-Clarity-Film-Grade.php](http://www.lookpolymers.com/polymer_Dow-LDPE-609A-Low-Density-Polyethylene-High-Clarity-Film-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in <sup>3</sup>	
Thickness	30.0 microns	1.18 mil	
Melt Flow	0.90 g/10 min @Load 2.16 kg	0.90 g/10 min @Load 4.76 lb	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	11.9 MPa	1730 psi	
Film Tensile Strength at Yield, TD	12.1 MPa	1750 psi	
Film Elongation at Break, MD	310 %	310 %	
Film Elongation at Break, TD	590 %	590 %	
Coefficient of Friction	0.20	0.20	
Elmendorf Tear Strength MD	370 g	370 g	
Elmendorf Tear Strength TD	240 g	240 g	
Elmendorf Tear Strength, MD	12.3 g/micron	312 g/mil	
Elmendorf Tear Strength, TD	8.00 g/micron	203 g/mil	
Dart Drop	2.70 g/micron	68.6 g/mil	
Film Tensile Strength at Break, MD	24.1 MPa	3500 psi	
Film Tensile Strength at Break, TD	19.8 MPa	2870 psi	

Optical Properties	Metric	English	Comments
Haze	4.4 %	4.4 %	

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Processing Properties	Metric	English	Comments
Processing Temperature	193 °C	379 °F	Film extrusion temperature

**Contact Songhan Plastic Technology Co.,Ltd.**

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