

Dow LDPE 607A Low Density Polyethylene, High Clarity Blown Film Grade

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

Material Notes:

DOW LDPE 607A resin is a fully formulated high clarity blown film resin for thin gauge optical applications, such as 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 25 µm. Data provided by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-LDPE-607A-Low-Density-Polyethylene-High-Clarity-Blown-Film-Grade.php

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in ³	
Thickness	25.0 microns	0.984 mil	
Melt Flow	2.0 g/10 min @Load 2.16 kg	2.0 g/10 min @Load 4.76 lb	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	12.1 MPa	1750 psi	
Film Tensile Strength at Yield, TD	12.0 MPa	1740 psi	
Coefficient of Friction	0.20	0.20	
Elmendorf Tear Strength MD	300 g	300 g	
Elmendorf Tear Strength TD	250 g	250 g	
Elmendorf Tear Strength, MD	12.0 g/micron	305 g/mil	
Elmendorf Tear Strength, TD	10.0 g/micron	254 g/mil	

Optical Properties	Metric	English	Comments
Haze	3.8 %	3.8 %	
Gloss	77 %	77 %	45°
Transmission, Visible	90 %	90 %	clear; thickness not quantified

Processing Properties	Metric	English	Comments
Processing Temperature	188 °C	370 °F	Film extrusion temperature

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