

Dow LDPE 752A Low Density Polyethylene, Film Grade

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

Material Notes:

DOW LDPE 752A resin is a drawdown film resin for thin gauge applications such as garment films. It contains high levels of both slip and antiblock additives. 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 13 µm. Data provided by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-LDPE-752A-Low-Density-Polyethylene-Film-Grade.php

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/in ³	
Thickness	13.0 microns	0.512 mil	
Melt Flow	6.0 g/10 min	6.0 g/10 min	
	@Load 2.16 kg	@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	11.0 MPa	1600 psi	
Film Elongation at Break, MD	190 %	190 %	
Film Elongation at Break, TD	500 %	500 %	
Coefficient of Friction	0.10	0.10	
Elmendorf Tear Strength MD	140 g	140 g	
Elmendorf Tear Strength TD	95 g	95 g	
Elmendorf Tear Strength, MD	10.8 g/micron	274 g/mil	
Elmendorf Tear Strength, TD	7.30 g/micron	185 g/mil	
Dart Drop	1.40 g/micron	35.6 g/mil	
Film Tensile Strength at Break, MD	24.1 MPa	3500 psi	
Film Tensile Strength at Break, TD	13.4 MPa	1940 psi	

Optical Properties	Metric	English	Comments
Haze	6.7 %	6.7 %	
Gloss	71 %	71 %	45°

Optical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Processing Temperature	218 °C	424 °F	Film extrusion temperature

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