

Dow LDPE 768A Low Density Polyethylene, Film Grade

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

Material Notes:

DOW LDPE 768A resin is a medium density film resin with additional stabilization for films requiring high modulus such as paper overwrap. It contains low levels of both slip additive and 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 40 µm. Data provided by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-LDPE-768A-Low-Density-Polyethylene-Film-Grade.php

Physical Properties	Metric	English	Comments
Density	0.930 g/cc	0.0336 lb/in ³	
Thickness	40.0 microns	1.57 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	15.2 MPa	2200 psi	
Film Tensile Strength at Yield, TD	15.2 MPa	2200 psi	
Film Elongation at Break, MD	425 %	425 %	
Film Elongation at Break, TD	600 %	600 %	
Coefficient of Friction	0.30	0.30	
Elmendorf Tear Strength MD	85 g	85 g	
Elmendorf Tear Strength TD	300 g	300 g	
Elmendorf Tear Strength, MD	2.10 g/micron	53.3 g/mil	
Elmendorf Tear Strength, TD	7.50 g/micron	191 g/mil	
Dart Drop	2.30 g/micron	58.4 g/mil	
Film Tensile Strength at Break, MD	22.8 MPa	3310 psi	
Film Tensile Strength at Break, TD	18.6 MPa	2700 psi	

Optical Properties	Metric	English	Comments
Haze	5.0 %	5.0 %	

Optical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Processing Temperature	177 °C	351 °F	Film extrusion temperature

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