Dow LDPE 534A Low Density Polyethylene, Blown Film Grade

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

Material Notes:

DOW LDPE 534A resin, is a general purpose blown film extrusion resin with excellent drawdown and processability for packaging applications. It contains medium 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-534A-Low-Density-Polyethylene-Blown-Film-Grade.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in³	
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	11.7 MPa	1700 psi	
Film Tensile Strength at Yield, TD	11.4 MPa	1650 psi	
Film Elongation at Break, MD	230 %	230 %	
Film Elongation at Break, TD	540 %	540 %	
Coefficient of Friction	0.20	0.20	
Elmendorf Tear Strength MD	260 g	260 g	
Elmendorf Tear Strength TD	130 g	130 g	
Elmendorf Tear Strength, MD	6.50 g/micron	165 g/mil	
Elmendorf Tear Strength, TD	3.30 g/micron	83.8 g/mil	
Dart Drop	2.50 g/micron	63.5 g/mil	
Film Tensile Strength at Break, MD	23.9 MPa	3470 psi	
Film Tensile Strength at Break, TD	19.0 MPa	2760 psi	

Optical Properties	Metric	English	Comments
Haze	7.5 %	7.5 %	

Optical Properties	Metric	English	Comments

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

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