Dow LDPE 135A Low Density Polyethylene, Blown Film Grade

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

Material Notes:

DOW LDPE 135A resin is used for heavy duty blown film applications such as shrink film, shipping sacks, construction film, and other thick gauge film applications. It contains medium levels of slip and antiblock additives. It complies with U.S. FDA regulation 21 CFR c 2.1 for food contact applications. The regulation should be consulted for complete details.Film properties below based on a film thickness of 76 µm. Data provided by Dow Chemical.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Dow-LDPE-135A-Low-Density-Polyethylene-Blown-Film-Grade.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in³	
Thickness	76.0 microns	2.99 mil	
Melt Flow	0.22 g/10 min @Load 2.16 kg	0.22 g/10 min @Load 4.76 lb	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.3 MPa	1490 psi	
Film Tensile Strength at Yield, TD	9.70 MPa	1410 psi	
Film Elongation at Break, MD	450 %	450 %	
Film Elongation at Break, TD	540 %	540 %	
Coefficient of Friction	0.10	0.10	
Elmendorf Tear Strength MD	290 g	290 g	
Elmendorf Tear Strength TD	380 g	380 g	
Elmendorf Tear Strength, MD	3.80 g/micron	96.5 g/mil	
Elmendorf Tear Strength, TD	5.00 g/micron	127 g/mil	
Dart Drop	3.90 g/micron	99.1 g/mil	
Film Tensile Strength at Break, MD	23.4 MPa	3390 psi	
Film Tensile Strength at Break, TD	17.9 MPa	2600 psi	

Optical Properties	Metric	English	Comments
Haze	12 %	12 %	

Optical Properties	Metric	English	Comments
Gloss	52 %	52 %	45°

Processing Properties	Metric	English	Comments
Processing Temperature	216 °C	421 °F	Film extrusion temperature

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