Dow DOWLEX™ 2267A Linear Low Density Polyethylene, Blown Film Grade

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

Material Notes:

DOWLEX® 2267A Polyethylene resin is a high performance blown film polymer offering superior load retention and toughness for a variety of stretch film packaging applications. This material complies with U.S. FDA Regulation 21 CFR 177.1520 c 3.1 (a) for food packaging 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-DOWLEX-2267A-Linear-Low-Density-Polyethylene-Blown-Film-Grade.php

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in³	
Thickness	25.0 microns	0.984 mil	
Melt Flow	0.85 g/10 min @Load 2.16 kg	0.85 g/10 min @Load 4.76 lb	Melt flow ratio I10/I2 is 8.

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	9.00 MPa	1310 psi	
Film Tensile Strength at Yield, TD	10.0 MPa	1450 psi	
Secant Modulus, MD	0.180 GPa	26.1 ksi	Film value
Secant Modulus, TD	0.185 GPa	26.8 ksi	Film value
Elmendorf Tear Strength MD	275 g	275 g	
Elmendorf Tear Strength TD	635 g	635 g	
Elmendorf Tear Strength, MD	11.0 g/micron	279 g/mil	
Elmendorf Tear Strength, TD	25.4 g/micron	645 g/mil	
Dart Drop	16.7 g/micron	424 g/mil	
Film Tensile Strength at Break, MD	52.0 MPa	7540 psi	
Film Tensile Strength at Break, TD	42.0 MPa	6090 psi	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	98.0 °C	208 °F	

Optical Properties	Metric	English	Comments
Haze	6.0 %	6.0 %	
Gloss	65 %	65 %	45°

Processing Properties	Metric	English	Comments
Processing Temperature	226 °C	439 °F	Film extrusion temperature

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