

Dow ATTANE™ 4701 Ultra Low Density Polyethylene, Medical Packaging Grade

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

Material Notes:

ATTANE® 4701 copolymer is an ultra low density polyethylene having high pinhole and puncture resistance, tear strength and high impact resistance combined with improved softness. It has low levels of slip and antiblock additives, and is designed for use in medical packaging applications. It complies with FDA regulation 21 CFR 177.1520 (c) 3.2a for food contact. USP Class VI test data for biocompatibility is available. 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-ATTANE-4701-Ultra-Low-Density-Polyethylene-Medical-Packaging-Grade.php

Physical Properties	Metric	English	Comments
Density	0.913 g/cc	0.0330 lb/in ³	
Thickness	25.0 microns	0.984 mil	
Melt Flow	1.0 g/10 min @Load 2.16 kg	1.0 g/10 min @Load 4.76 lb	Melt flow ratio I10/I2 is 8.2.

Mechanical Properties	Metric	English	Comments
Coefficient of Friction	0.14	0.14	
Elmendorf Tear Strength MD	363 g	363 g	
Elmendorf Tear Strength TD	544 g	544 g	
Elmendorf Tear Strength, MD	14.5 g/micron	368 g/mil	
Elmendorf Tear Strength, TD	21.8 g/micron	554 g/mil	
Dart Drop	>= 33.2 g/micron	>= 843 g/mil	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	94.0 °C	201 °F	

Optical Properties	Metric	English	Comments
Haze	7.3 %	7.3 %	

Processing Properties	Metric	English	Comments
Processing Temperature	225 °C	437 °F	Film extrusion temperature

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China