

Dow ATTANE™ 4213 Ultra Low Density Polyethylene

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

Material Notes:

ATTANE® 4213 copolymer is an ultra low density polyethylene that offers excellent flexibility, sealability, puncture resistance and superior strength. It exhibits oxygen transmission characteristics that is well suited for produce packaging applications. It complies with FDA regulation 21 CFR 177.1520 c 3.1b. Film properties below based on a film thickness of 51 µm. Data provided by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-ATTANE-4213-Ultra-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	
Moisture Vapor Transmission	0.0714 cc-mm/m ² -24hr-atm	0.181 cc-mil/100 in ² -24hr-atm	or 1.4 g/m ² /atm/24 hr
Thickness	51.0 microns	2.01 mil	
Melt Flow	0.80 g/10 min @Load 2.16 kg	0.80 g/10 min @Load 4.76 lb	Melt flow ratio I10/I2 is 8.7.

Mechanical Properties	Metric	English	Comments
Coefficient of Friction	0.53	0.53	
Elmendorf Tear Strength MD	701 g	701 g	
Elmendorf Tear Strength TD	1030 g	1030 g	
Elmendorf Tear Strength, MD	13.7 g/micron	348 g/mil	
Elmendorf Tear Strength, TD	20.2 g/micron	513 g/mil	
Dart Drop	>= 16.3 g/micron	>= 414 g/mil	

Thermal Properties	Metric	English	Comments
Vicat Softening Point	81.0 °C	178 °F	

Optical Properties	Metric	English	Comments
Haze	5.5 %	5.5 %	

Processing Properties	Metric	English	Comments
Processing Temperature	86.0 °C	187 °F	Seal initiation temperature
	228 °C	442 °F	Film extrusion temperature

Processing Properties	Metric	English	Comments
-----------------------	--------	---------	----------

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