

Overview of materials for Polyvinyl Dichloride (PVDC) Coated Polyester Film

Category : Polymer , Film , Thermoplastic , PVDC , Polyvinyl Dichloride (PVDC) Coated Polyester Film

Material Notes:

This property data is a summary of similar materials in the MatWeb database for the category "Polyvinyl Dichloride (PVDC) Coated Polyester Film". Each property range of values reported is minimum and maximum values of appropriate MatWeb entries. The comments report the average value, and number of data points used to calculate the average. The values are not necessarily typical of any specific grade, especially less common values and those that can be most affected by additives or processing methods.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Overview-of-materials-for-Polyvinyl-Dichloride-PVDC-Coated-Polyester-Film.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	Average value: 1.40 g/cc Grade Count:10
Moisture Vapor Transmission	0.00800 - 0.200 cc-mm/m ² -24hr-atm	0.0203 - 0.508 cc-mil/100 in ² -24hr-atm	Average value: 0.110 cc-mm/m ² -24hr-atm Grade Count:10
Water Vapor Transmission	0.600 - 9.00 g/m ² /day	0.0386 - 0.580 g/100 in ² /day	Average value: 6.12 g/m ² /day Grade Count:10
Oxygen Transmission	0.00210 - 0.200 cc-mm/m ² -24hr-atm	0.00533 - 0.508 cc-mil/100 in ² -24hr-atm	Average value: 0.109 cc-mm/m ² -24hr-atm Grade Count:10

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	100 - 170 %	100 - 170 %	Average value: 129 % Grade Count:10
Film Elongation at Break, TD	70.0 - 140 %	70.0 - 140 %	Average value: 89.5 % Grade Count:10
Modulus of Elasticity	3.45 - 3.79 GPa	500 - 550 ksi	Average value: 3.55 GPa Grade Count:10
Tear Strength Test	300 - 500	300 - 500	Average value: 365 Grade Count:10
Seal Strength	156 - 201 g/25 mm	156 - 201 g/in	Average value: 188 g/25 mm Grade Count:7
Film Tensile Strength at Break, MD	152 - 186 MPa	22000 - 27000 psi	Average value: 172 MPa Grade Count:10
Film Tensile Strength at Break, TD	179 - 248 MPa	26000 - 36000 psi	Average value: 217 MPa Grade Count:10

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	121 °C	250 °F	Average value: 121 °C Grade Count:10

Optical Properties	Metric	English	Comments
Haze	2.50 - 8.00 %	2.50 - 8.00 %	Average value: 6.56 % Grade Count:8

Optical Properties	Metric100 %	English100 %	Comments
Transmission, Visible	70.0 - 90.0 %	70.0 - 90.0 %	Average value: 82.9 % Grade Count:8

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