

Overview of materials for PVC, Powder

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Powder

Material Notes:

This property data is a summary of similar materials in the MatWeb database for the category "PVC, Powder". 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-PVC-Powder.php

Physical Properties	Metric	English	Comments
Density	1.42 - 1.81 g/cc	0.0513 - 0.0654 lb/in ³	Average value: 1.50 g/cc Grade Count:13
Volatile Organic Compounds (VOC) Content	0.0300 - 0.300 g/l	0.0300 - 0.300 g/l	Average value: 0.290 g/l Grade Count:26
Apparent Bulk Density	0.550 - 0.780 g/cc	0.0199 - 0.0282 lb/in ³	Average value: 0.650 g/cc Grade Count:5
Particle Size	0.100 - 250 µm	0.100 - 250 µm	Average value: 111 µm Grade Count:27
Viscosity Test	109 - 136 cm ³ /g	109 - 136 cm ³ /g	Average value: 124 cm ³ /g Grade Count:4

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	73.0 - 84.0	73.0 - 84.0	Average value: 79.7 Grade Count:15
Tensile Strength, Ultimate	14.0 - 51.0 MPa	2030 - 7400 psi	Average value: 38.4 MPa Grade Count:15
Modulus of Elasticity	1.12 - 3.66 GPa	163 - 531 ksi	Average value: 2.69 GPa Grade Count:10
Flexural Yield Strength	28.0 - 98.0 MPa	4060 - 14200 psi	Average value: 74.5 MPa Grade Count:10
Flexural Modulus	1.21 - 3.78 GPa	175 - 548 ksi	Average value: 2.76 GPa Grade Count:9
Izod Impact, Notched	0.200 - 4.90 J/cm	0.375 - 9.18 ft-lb/in	Average value: 1.64 J/cm Grade Count:9

Thermal Properties	Metric	English	Comments
CTE, linear	54.0 - 62.0 µm/m-°C	30.0 - 34.4 µin/in-°F	Average value: 57.2 µm/m-°C Grade Count:8
Deflection Temperature at 1.8 MPa (264 psi)	51.0 - 74.0 °C	124 - 165 °F	Average value: 70.3 °C Grade Count:10

Processing Properties	Metric	English	Comments
Melt Temperature	182 - 210 °C	360 - 410 °F	Average value: 195 °C Grade Count:9

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