



100% PVC Particles PRODUCT DATA SHEET

100% PVC Particles

Description

100% PVC Particles are spherical nanomaterials made of polyvinyl chloride. This material does not contain other impurities and has excellent characteristics such as uniform particle size, high specific surface area, strong surface activity, good chemical stability, high temperature resistance, corrosion resistance, and electrical insulation. Due to the excellent properties of 100% PVC particles, this material can be applied in various fields such as catalyst carriers, adsorbents, coating additives, biomedical materials, etc. 100% PVC particles also have good biocompatibility and are suitable for applications such as tissue engineering scaffolds and cell culture. Due to the corrosion resistance and electrical insulation properties of the material, 100% PVC particles can be used as reinforcing particles for epoxy resin, improving the mechanical properties and electrical insulation of epoxy composites. Through surface modification, the application of PVC Particles has been expanded, which can achieve precise biomedical functions such as drug delivery, immunoassay and biomolecular separation, and has important scientific research and therapeutic potential.

Abvigen Inc can provide high-quality 100% PVC particles of various sizes. This product has uniform particle size and good dispersion, and can provide various surface modified 100% PVC particles to meet the personalized material needs of various customers in research and development, testing, production, and consumption.

For custom sizes, formulations or bulk quantities please contact our customer service department.

Website: www.abvigen.com **Phone:** +1 929-202-3014 **Email:** info@abvigenus.com



Characteristics

Concentration: 10 mg/ml

Size: 10 ml

Surface: - / Amino / Carboxyl / Avidin / BSA / Biotin / Streptavidin / Protein A / Protein G

Shape: Spherical

Composition: 100% PVC Particles

Buffer: DI Water, 20 ppm SDS

Form: Suspension

Store: Storage at 2 - 8 °C

Storage

This product should be stored at 4°C. **DO NOT FREEZE.**

For 10 mg/ml of 100% PVC Particles

Diameter	Conc. mg/ml	Particles/mg	Particles/ml	Diameter	Conc. mg/ml	Particles/mg	Particles/ml
0.05 um	10	1.13E+13	1.13E+14	1 um	10	1.41E+09	1.41E+10
0.1 um	10	1.41E+12	1.41E+13	2 um	10	1.77E+08	1.77E+09
0.2 um	10	1.77E+11	1.77E+12	3 um	10	5.24E+07	5.24E+08
0.3 um	10	5.24E+10	5.24E+11	4 um	10	2.21E+07	2.21E+08
0.4 um	10	2.21E+10	2.21E+11	5 um	10	1.13E+07	1.13E+08
0.5 um	10	1.13E+10	1.13E+11	6 um	10	6.55E+06	6.55E+07
0.6 um	10	6.55E+09	6.55E+10	7 um	10	4.12E+06	4.12E+07
0.7 um	10	4.12E+09	4.12E+10	8 um	10	2.76E+06	2.76E+07
0.8 um	10	2.76E+09	2.76E+10	9 um	10	1.94E+06	1.94E+07
0.9 um	10	1.94E+09	1.94E+10	10 um	10	1.41E+06	1.41E+07



Advantage

Uniform particle size

Surface modifiable

High specific surface area

Good chemical stability

Good high temperature resistance performance

Good corrosion resistance

Good insulation performance

Applications

Adsorbent

Paint additives

biomedical materials

Catalyst carrier

Drug delivery

immunoassay

Organizational engineering scaffold

Protein separation and purification

Ordering Information

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