



Polymethylsilsesquioxane Particles

PRODUCT DATA SHEET

Polymethylsilsesquioxane Particles

Description

Polymethylsilsesquioxane particles are a type of polymer that combines both organic and inorganic characteristics. This material boasts properties such as high wear resistance, exceptional hardness, a high melting point, non-toxicity, odorlessness, and transparency. It is commonly utilized across various industries, including rubber, plastics, cosmetics, coatings, pigments, and optical products. As an organic silicon-based light diffuser, it can soften light through refraction. When used in light-diffusing materials, the particle size and concentration significantly influence the material's transmittance and haze, which in turn helps optimize its optical performance. Additionally, due to their unique spherical structure and excellent physicochemical properties, polymethylsilsesquioxane particles are also valuable in fabric treatments and cosmetic formulations, enhancing fabric texture and the moisturizing effects of cosmetics.

Abvigen Inc can provide high-quality Polymethylsilsesquioxane Particles in various particle sizes. This product has uniform particle size and good hydrophobicity, and it can 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: 25 mg/ml

Size: 10 ml

Surface: Plain

Shape: Spherical

Composition: Polymethylsilsesquioxane Particles

Standard deviation: CV<5%

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 25 mg/ml of Polymethylsilsesquioxane Particles

Diameter	Conc. mg/ml	Particles/mg	Particles/ml	Diameter	Conc. mg/ml	Particles/mg	Particles/ml
1 um	25	1.77E+09	4.42E+10	6 um	25	8.19E+06	2.05E+08
2 um	25	2.21E+08	5.53E+09	7 um	25	5.16E+06	1.29E+08
3 um	25	6.55E+07	1.64E+09	8 um	25	3.45E+06	8.63E+07
4 um	25	2.76E+07	6.91E+08	9 um	25	2.43E+06	6.06E+07
5 um	25	1.41E+07	3.54E+08	10 um	25	1.77E+06	4.42E+07

Advantage

Uniform particle size

Wear resistance

High melting point

Non toxic and transparent

Good hydrophobicity

Good chemical stability

Applications

Light diffusing agent

Fabric processing

Cosmetic additives



Ordering Information

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