

Product introduction

OE-3405 is a spherical silicone elastomer prepared by special technology, belonging to environmental protection products. It presents different styles on different substrates, has lasting velvet powder feeling, delicate and smooth touch, good elasticity, softness and mattness, and is widely used in the formulations of industries such as inks, coatings and elastomer materials.

INCI Name: Vinylsilsesquioxane

Features and benefits

With unique velvet feeling, soft and smooth touch;

Good concealing property, which can make the surface significantly matt and the touch more intense;

Heat resistance and aging resistance, and does not affect the chemical resistance of coatings and elastomers;

Good compatibility, and good compatibility with various coatings, inks and various elastomers;

Different substrates have different styles;

Easy to disperse in the system, good compatibility;

In line with the EU low cyclomer restriction requirements, and the contents of D4, D5 and D6 are less than 1000ppm.

Technical specifications

Appearance	White powder
Non-volatile content %	≤98
pH value	5-7
Average particle size	5μm

Application Guidelines

OE-3405, as a spherical silicone elastomer with special structure, belongs to environmental protection products and is suitable for the formula design of industries such as inks, coatings and elastomer materials.

Application Method

Dosage suggestion: The specific addition amount depends on the formula type, and the recommended addition range is 1-50%, or it can be adjusted according to the actual performance requirements. It should be noted that this method is for reference only, and strict feasibility tests need to be carried out before use.

Dispersion process: In order to avoid powder flying during addition and obtain a uniform gel, it is recommended to slowly add the product to the oil for dispersion, and stir until a smooth gel is formed, and then add it to the system or dilute it to a suitable consistency.

Powder mixing: In powder products, it can be directly ground and mixed with other powders, but after adding to the system, it needs to be fully stirred evenly before use.

Packaging and Storage

Packaging specification: 18kg/carton.

Storage conditions: It can be stored at room temperature for more than 24 months, and should be stored in a cool and ventilated place, and should avoid long-term exposure to extreme cold and heat environments. After opening, please use it as soon as possible, and seal the container when not in use to ensure product quality.

Company Information

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The information provided in this Product Bulletin is believed to be accurate and reflective of the product's typical characteristics and potential applications. However, any usage suggestions provided are solely for reference and should not be construed as authorization to violate any domestic or international patents. It is the responsibility of user to conduct comprehensive testing under actual application conditions to verify the product's performance, compatibility, safety, and handling requirements.