

## Description

Peflon Silicone Microspheres are multifunctional micro-sized spherical powder of organic silicone resin for light diffusion.

It has excellent heat resistance and is used as a light diffusion additive in transparent plastic materials such as PC, PMMA, PS, etc. It has a good balance between light transmittance and diffusion rate, especially suitable for high-end LED lampshades, tubes, light boxes, LCD displays and other optical materials.

It can also be used in plastics, rubber, coatings, inks and other industries to improve the dispersibility of pigments and powders in formulations, provide a soft light effect, and improve lubricity and tactile feel.

### TYPICAL PROPERTIES OF Silicone Microspheres PF-900

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Grade	PF-900
Appearance	White spherical powder with good fluidity
Average particle size D50, $\mu\text{m}$	0.8 - 1
Bulk density, g/L	400 - 600
Refractive Index	1.40 - 1.43
Moisture, % <	1.0
Thermal Weight Loss, % <	1.5

## Recommended application and method

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1. Light diffusion plate/film: It provides excellent light diffusion properties when combined with PC, PMS, PS, PP and other resins, and can also be added to spray agents to give films a light diffusion function.
2. Coatings and inks: Improve matte finish, smoothness and hydrophobicity of the surface, provide good tactile sensation, and suit coating and ink additives requiring high heat resistance and solvent resistance.

## Suggest adding quantity

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The general addition amount of this product is 0.5% to 2.0%. Customers can flexibly adjust it according to the substrate material, actual use, material thickness, surface treatment and other requirements.

## STORAGE AND HANDLING

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1. Double layer polyethylene plastic bags are packed in cardboard boxes, with a net weight of 20 kg (2 × 10 kg) per box;
2. Store in a cool, dry place, away from direct sunlight.
3. After unpacking and using, seal and store the product to prevent moisture from affecting its use;
4. Wear masks and gloves during work and maintain good workplace ventilation.

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