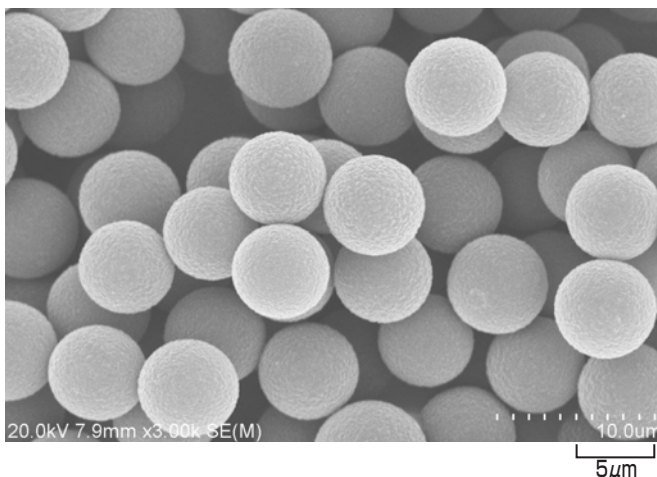


OPTBEADS®

OPTBEADS® is spherical fine particles composed of melamine-formaldehyde resin and silica. Our original technology is that silica plays a role of a surfactant in manufacturing the beads.

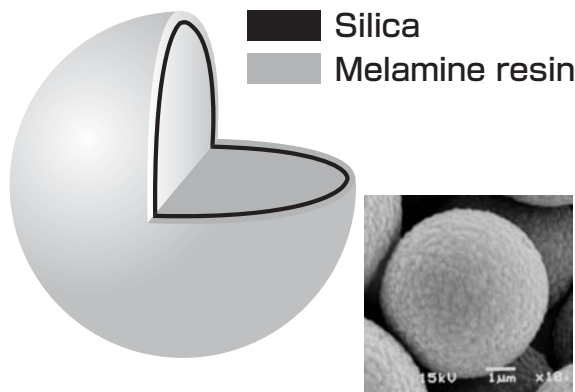
FEATURES

- 1 Narrow particle size distribution
- 2 Wide range of particle diameter control
- 3 Good heat resistance, acid resistance, alkali resistance, solvent resistance
- 4 High refractive index (approx 1.65)
- 5 No leaching by surfactant free character



PROPERTIES

Appearance :	White spherical particle
Heat decomposition temp. :	above 350 °C
Absolute specific gravity :	1.65



TYPES

TYPES	Average size
500S	0.5 µm
2000M	2.0 µm
3500M	3.5 µm
6500M	6.5 µm
10500M	10.5 µm

APPLICATIONS

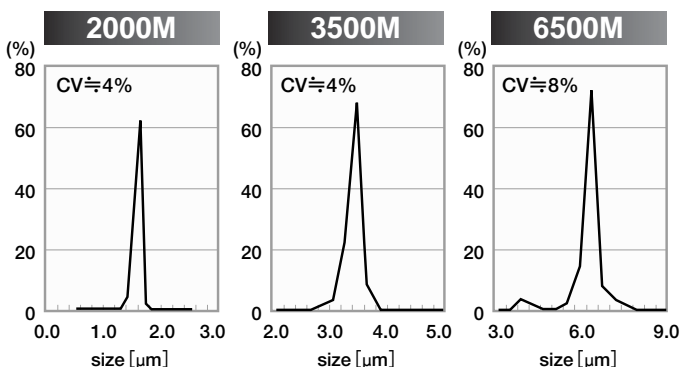
■ Additives for film

Anti blocking agent, Light diffusion agent

■ Additives for paint, ink and textile

Matt agent, Scratch-resistant agent

CHART of particle size distribution



【 Image analysis of SEM 】

NISSAN CHEMICAL INDUSTRIES, LTD.
CHEMICALS GENERAL DIVISION
 ADVANCED MATERIALS & PLANNING DEPT.
 E-mail ; cdpd@nissanchem.co.jp

* Data in this catalogue indicates an example of measured value.
 * The information furnished is believed to be accurate and complete. Buyer assumes all risk of use, storage and handling of these products. Nissan shall not be responsible for special or consequential damages. Nothing contained herein shall be construed as a permission or recommendation for the use of these products in the infringement of any existing patent.