

OPTBEADS[®]

OPTBEADS[®] are spherical fine particles composed of melamine-formaldehyde resin.

Melamine resin particle

FEATURES

- High refractive index (approx. 1.68)
- High hardness
- Narrow particle size distribution
- Good heat resistance, acid resistance, alkali resistance, solvent resistance
- Surfactant is silica

TYPES

| TYPES | Average size |
|-------|-------------------|
| 2000M | 2.0 μm |
| 3500M | 3.5 μm |

PROPERTIES

| | |
|--------------------------------------|--------------|
| Appearance | White powder |
| Refractive index | 1.68 |
| Specific gravity[g/cm ³] | 1.5 |
| Particle hardness[MPa] | 75.9 |
| Decomposition temp.[°C] | ~350 |

Particle hardness:compressive strength at 10% deformation.

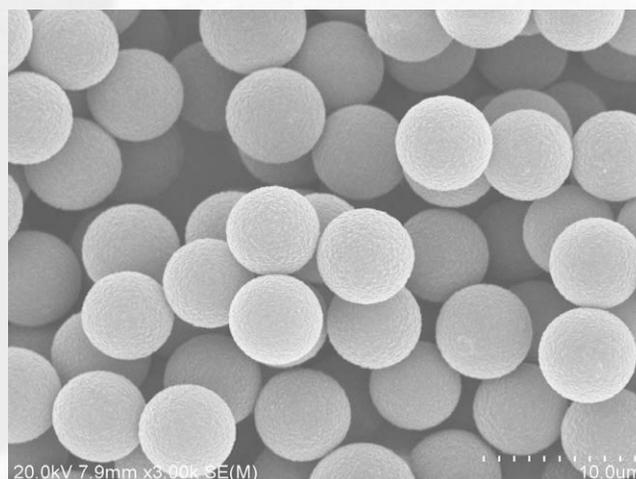
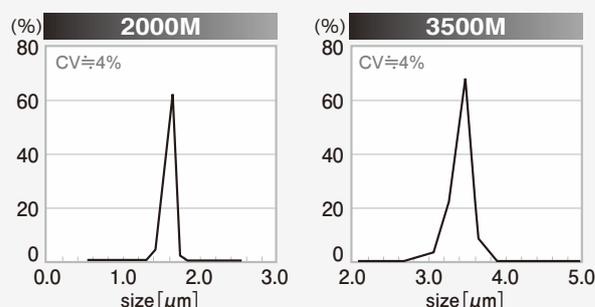


CHART of particle size distribution



[Image analysis of SEM]

APPLICATIONS

- **Additives for film**
Anti blocking agent, Light diffusion agent
- **Additives for paint, ink and textile**
Matt agent, Scratch-resistant agent