

# High flowability Submicron Silica

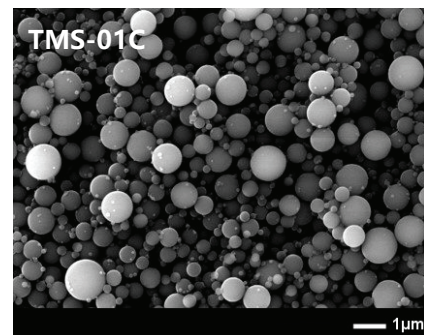
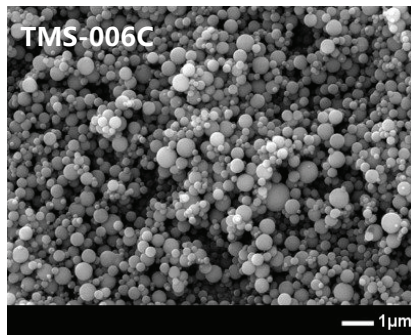


## Features

- ▼ High-purity amorphous spherical fine silica!
- ▼ Particle sizes ranging from 0.5 to 3  $\mu\text{m}$ , and coarse grain cut grades are available.
- ▼ Organic(Silane coupling agents) and inorganic( $\text{TiO}_2$ ,  $\text{Al}_2\text{O}_3$ ,  $\text{ZrO}_2$  etc.) surface treatment for modification.

## Physical Properties

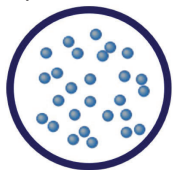
Product name	D50 ( $\mu\text{m}$ )	D100 ( $\mu\text{m}$ )	SSA ( $\text{m}^2/\text{g}$ )	Na (ppm)	Cl (ppm)	Fe (ppm)
TMS-006C	0.6	1.9	11	<20	<2	<20
TMS-01C	1.0	3.6	4	<10	<2	<10



## The effects of surface treatment

### TAYCA method

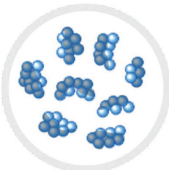
Surface treatment in a highly dispersed state



High dispersibility due to no untreated surface

### Conventional method

Surface treatment in agglomerated state



Untreated surface exposed by crushing, resulting in low dispersion

