

Boost-touch Silica

TAYCA

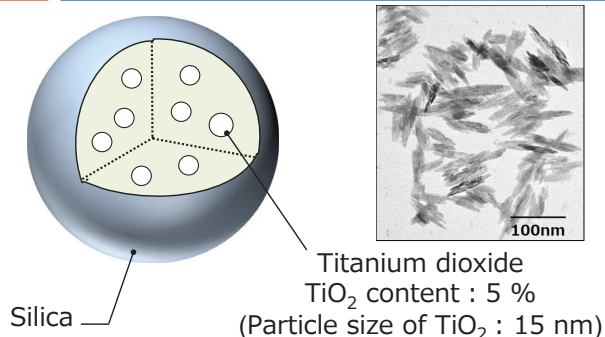
Features

- ▼ By incorporating rutile-type titanium dioxide (particle size of TiO_2 : 15 nm) into spherical silica, we have developed Boost touch spherical silica, which has the function of improving UV protection (SPF boost effect).
- ▼ We also offer surface-treated products that have been specially treated to give them a softness similar to that of micro plastic beads.

Product Information

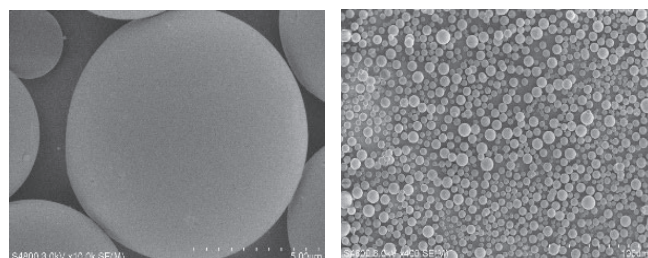
Grade	Average Particle Size	INCI	EU	Natural Origin Content
TMS-T05	5 μm	SILICA TITANIUM DIOXIDE	○	1.0
TMS-T10	10 μm			
TMS-T05DCB	5 μm	SILICA TITANIUM DIOXIDE BHENYL ALCOHOL DISTEARYLDIMONIUM CHLORIDE		
TMS-T10DCB	10 μm			

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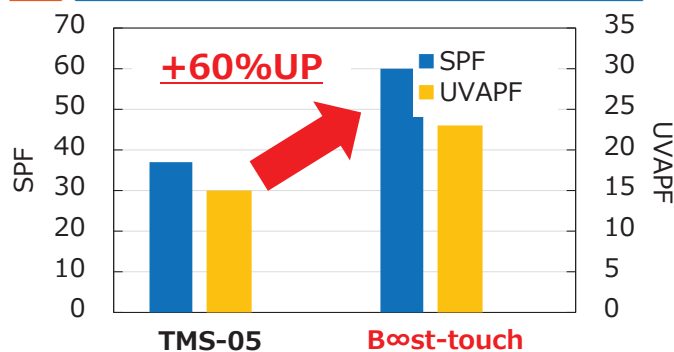


SEM Image

TMS-T05DCB

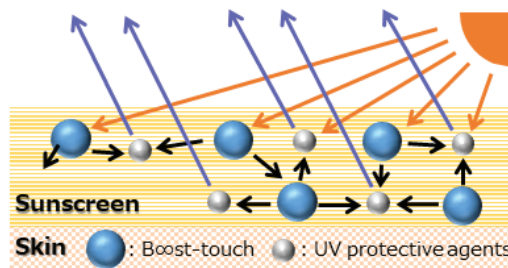


Boost effect (SPF/UVAPF in vitro)



Formulation : W/O emulsion
Base : PMMA
Texture enhancer : 5 %
UV protection agent : ZnO (25 %)
Measurement : SPF Analyzer UV-2000S
Dosage : 1.3 mg / cm^2

Mechanism



"Boost-touch" enhances UV shielding effect of UV protective agents by diffusing the UV rays supplementary

Replacing the existing texture enhancer to Boost-touch will greatly improves SPF/UVAPF!

Recommended usage

- High SPF/UVAPF sunscreen
- Substitute for micro plastic beads