

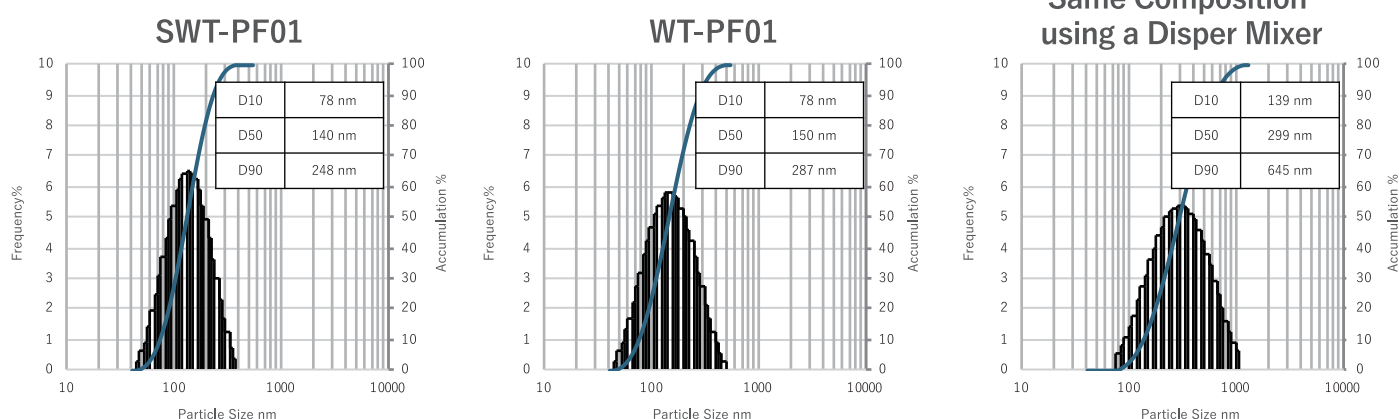
## NEW WATER DISPERSION

# SWT-PF01

This product is a dispersion of 15 nm-sized Micro Titanium Dioxide treated with Hydrated Silica highly dispersed in water. This is an advanced version of the conventional water dispersion (WT-PF01), making it suitable for being used in the water phase of O/W formulations, etc. It can also be combined with water-soluble thickeners such as Carbomer.

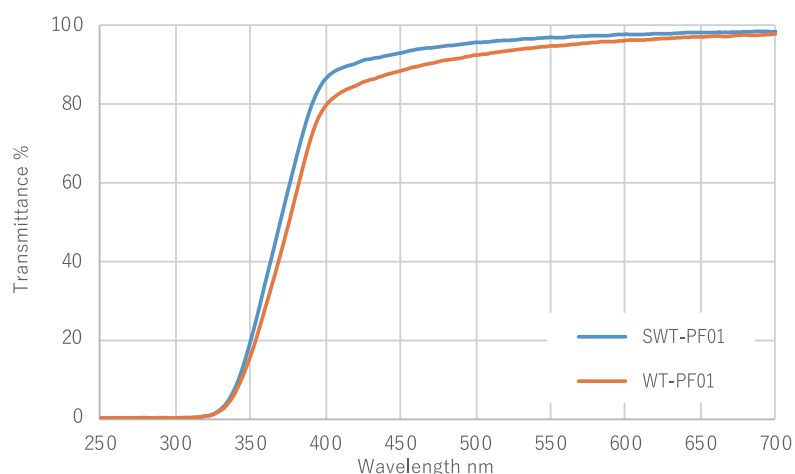
Grade	Substrate (Concentration)	Additives	Media	Natural Origin Index
SWT-PF01	HYDRATED SILICA treated TITANIUM DIOXIDE (40%)	BUTYLENE GLYCOL PENTYLENE GLYCOL DIMETHICONE	Water	0.86

### Particle Size Distribution



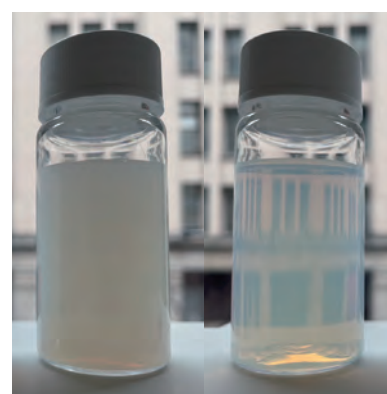
Method: Dilute to 1 % solids with the same solvent as the dispersion. Measurement: Particle Size Analyzer FPAR-1000

### Transmittance Curve



Dilute the dispersion to 30% with Butylene Glycol  
Film Thickness : 10  $\mu$ m  
Base : Polypropylene Film  
Measurement : Spectrophotometer HITACHI U-4100

### Transparency when Diluted



WT-PF01

SWT-PF01

Diluted with ion-exchanged water to 0.03 % solids and placed in a 30 ml container