# Ultra-High Transparency Micro Titanium Dioxide

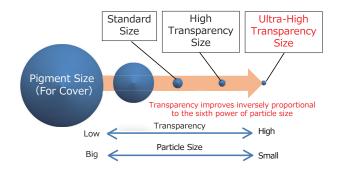
# TAYCA

## Features

By optimizing particle control technology and surface treatment technology, this micro titanium dioxide achieves both high transparency and high UV protection performance.

	INCI	General Physical Properties		
		Primary Particle Size (nm)	Crystal Structure	Property of Surface
MT-N1 (GMP)	TITANIUM DIOXIDE ALUMINUM HYDROXIDE STEARIC ACID	8	Rutile	Hydrophobic

#### **Particle Control Technology**



## Surface Treatment Technology

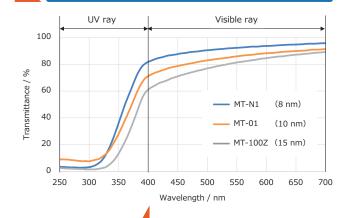


If the surface treatment is insufficient, it has low dispersibility in the medium, and it is not possible to obtain high transparency and UV protection effect



The precise surface treatment enables high dispersion in the medium. resulting in high transparency and UV protection.

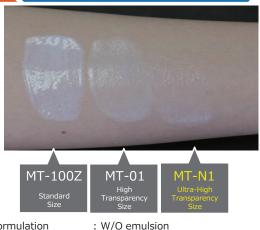
#### Transmittance Curve



#### **TEM Image**



#### **Transparency**



7 %

Formulation Dosage

Base

Application method Film thickness

Measurement

Automatic Bar Coater : Spectrophotometer HITACHI U-4100

Polypropylene Film

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