

# MILANO COLORI S.R.L. Titanium Dioxide for NIR Shielding

Capitale Sociale € 300.000,00 interamente versato  
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## MP-100

### Features

This product shields near-infrared rays which constitute about 50% of sun light. The followings are the advantages: (Recently, the effect of near-infrared ray's damage the skin to create wrinkles, sagging, and other photoaging risks. See the below images.)

- ◆ The design large particle size (about 1,000 nm) shields near-infrared rays (700 ~ 2,500 nm).
- ◆ Adequate transparency enables a natural look on the skin.
- ◆ Smoother touch than pigmentary TiO<sub>2</sub>.

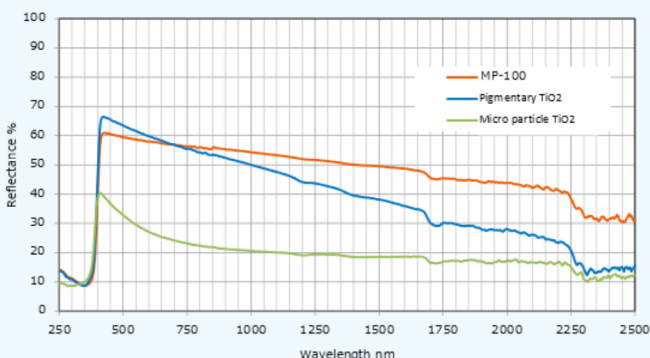
[Recommended] For Base Makeup, Foundation, Pinpoint Makeup, BB Cream, Sunscreen

### Ingredients

INCI code	%
TITANIUM DIOXIDE	95.6
ALUMINUM HYDROXIDE	4.0
ZINC OXIDE	0.4

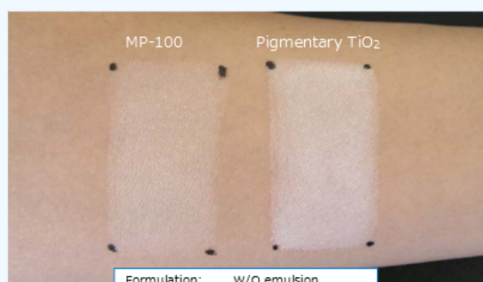
MPY-100M (treated with DIMETHICONE), MPY-100EX (treated with ISOSTEARIC ACID) are examples for surface-treated grades.

### Reflectance Curve

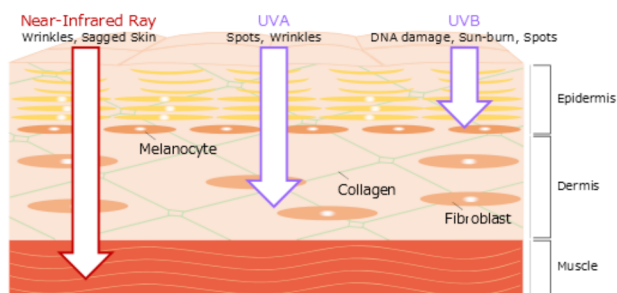


Formulation: TiO<sub>2</sub> / Nitrocellulose = 4/6  
Dispersed by: Paint conditioner (1.5 mm dia. glass beads)  
Substrate: Polypropylene film  
Film thickness: 3 μm

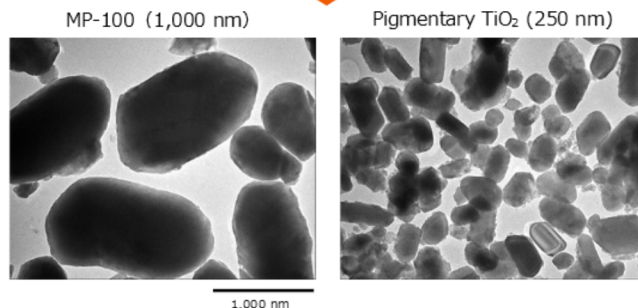
### Transparency on the skin



Formulation: W/O emulsion  
Sample content: 5%  
Volume applied: 2.0 mg/cm<sup>2</sup>



### TEM Images



### Heat Block

