

## Heat Shield White Pigment **TIPAQUE™ PFR404**

**TIPAQUE™ PFR404** is rod shape large particle size, rutile type titanium dioxide pigment produced by the sulfate process and post-treated with alumina.

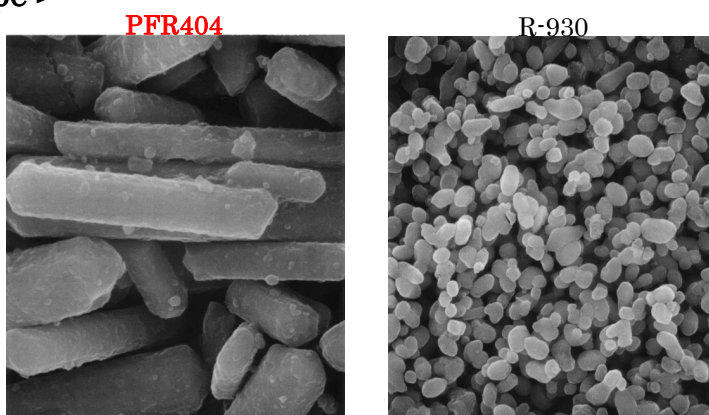
**TIPAQUE™ PFR404** achieves improvement of heat shield performance, keeping high opacity which is particular characteristic of titanium dioxide. **TIPAQUE™ PFR404** is a suitable grade for paints & plastics application which need heat shield

### < General properties >

Items	<b>PFR404</b>	R-930
Particle shape	<b>Rod</b>	Sphere
Particle size (μm)	<b>Short 0.3 ~ 0.5 Long 2 ~ 4</b>	0.25
TiO <sub>2</sub> (%), min.	<b>95</b>	93
Oil absorption (g/100g)	<b>19</b>	19
Post-treatment	<b>Al</b>	Al, Zn*

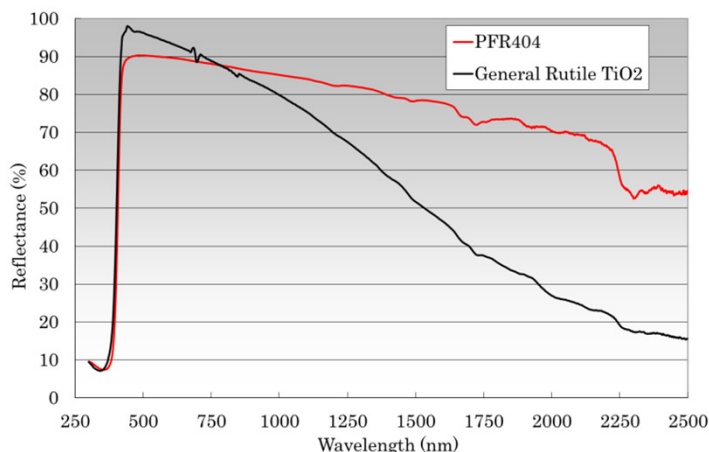
Zn\* : dopant

### < Particle shape >



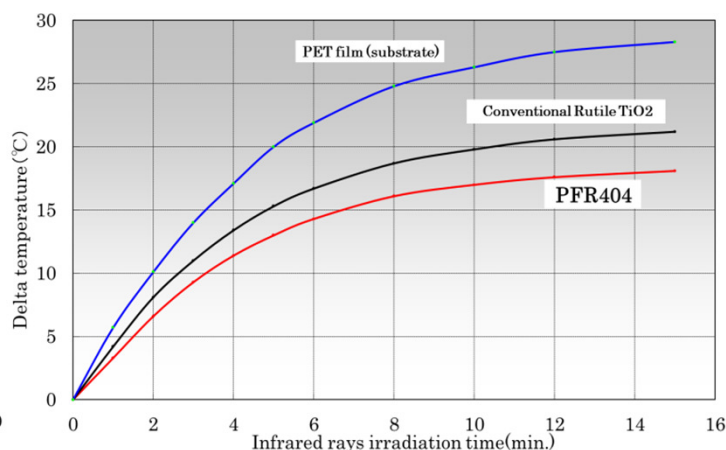
### < Reflectance ratio of paint film >

\*Paint film properties in alkyd-melamine paint (PVC=20%)



### < Temperature control effect >

\*Measurement of temperature change under IR lamp



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