



ISHIHARA SANGYO KAISHA, LTD.

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 reflectance performance, keeping high opacity which is particular characteristic of titanium dioxide.

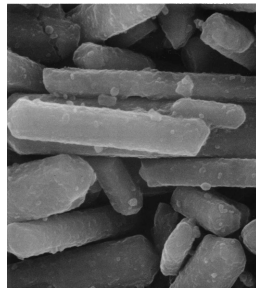
TIPAQUE® PFR404 is a suitable grade for paints & plastics application which need heat shield effect.

<Chemical and Physical Characteristics>

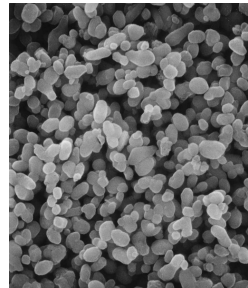
	PFR404	R-930
Particle shape	Rod	Sphere
Particle size (μm)	Short 0.3~0.5 Long 2~4	0.25
TiO ₂ (%), min.	95	93
Oil absorption (g/ 100g)	19	19
Post-treatment	Al	Zn, Al

<Particle Shape>

PFR404

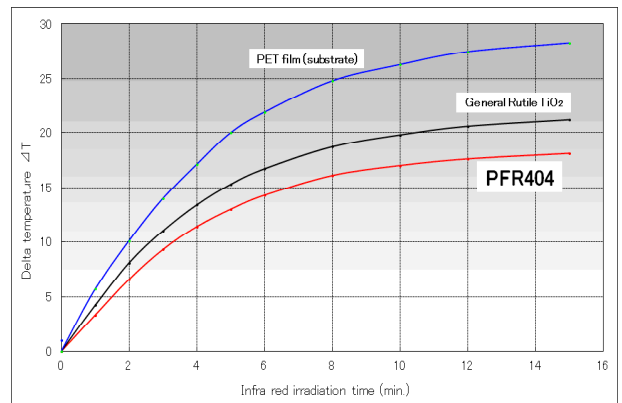
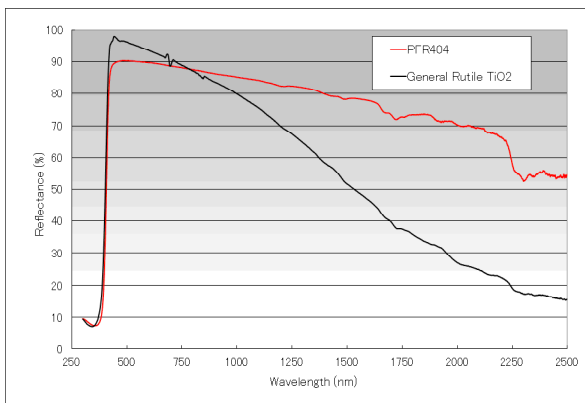


R-930



<Reflectance Ratio & Heat Shield Effect>

Paint film properties in alkyd-melamine paint (PVC;20%)



※ Measurement of temperature change under IR lamp

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