

## SPECIFICATION

### GENERAL INFORMATION

Product Name:Rutile Titanium Dioxide Pigment

Color Index:C.I.Pigment White 6 ( C.I.77891)

Product Code:RC-618

Application System:Coatings, Plastics, Papers, inks, etc.

### PROPERTIES

Test Items	Specification	Test Method
TiO <sub>2</sub> content (m/m)%:	≥92.0%	ISO591-1
Rutile crystal content (m/m)% :	≥98%	Ruichem method
Shade (Compared with standard)		Ruichem method
ΔL(CIELAB, D65/10°):	-0.30~0.30	
Δa(CIELAB, D65/10°):	-0.30~0.30	
Δb(CIELAB, D65/10°):	-0.30~0.30	
ΔE(CIELAB, D65/10°):	0.00~0.50	
Strength (Compared with standard):	95%~105%	Ruichem method
Moisture (105°C):	≤0.5%	ISO787-2
Oil absorption (g/100g):	17~19	ISO787-5
Soluble matter in water:	≤0.5%	ISO787-3
Specific resistivity(Ω.m) :	≥80	ISO787-14
PH value of aqueous suspension:	6.5~8.5	ISO787-9
Residue on sieve of 45um:	≤0.02%	ISO787-18

## TECHNICAL DATA SHEET

### GENERAL INFORMATION

Product Name:Rutile Titanium  
Dioxide Pigment  
Color Index:C.I.Pigment White  
6 ( C.I.77891)  
Product Code:RC-618  
CAS No.:13463-67-7  
EINECS No.:236-675-5

### DESCRIPTION

This product is a rutile titanium dioxide pigment, produced by sulfate process. It is an universal purpose type titanium dioxide, more specifically for solvent-based system.

### KEY FEATURES

Multi-purpose grade Moderate opacity and tinting  
power High gloss and dispersibility Good durability

### APPLICATIONS

Coatings		Plastics		Others	
Water based paint	●	PVC	○	Paper---Packaging	○
Solvent based paint	●	PE/PP	○	Paper---Laminate	○
Automotive paint	●	PS/ABS	○	Ink--Gravure	●
Powder coating	○	Engineering plastics	○	Ink--Flexo	○
● Highly Recommended    ○ Recommended    --- Not Recommended					

### TYPICAL PROPERTIES

TiO <sub>2</sub> content: ≥92.0%	Average particle size, um:0.26~0.30
Rutile content: ≥98%	Oil absorption, g/100g:17~19
Inorganic coating:Zr, Al	pH value:6.5~8.5
Organic treatment:Yes	Classification---ISO591-1:2000(E):R2
Specific gravity, g/cm <sup>3</sup> :4.1	Color CIE L*: ≥97.5
Bulk density, g/cm <sup>3</sup> :1.1	Tinctorial power (Reynold's number): ≥ 1800

### NOTE

The above information is provided as guidelines only. It is important that the customer evaluate any product in their own resin system to determine suitability.