

## TECHNICAL DATA SHEET

### GENERAL INFORMATION

Product Name: Anatase Titanium  
Dioxide Pigment  
Color Index: C.I. Pigment  
White 6 (C.I. 77891)  
Product Code: RC-101  
CAS No.: 13463-67-7  
EINECS No.: 236-675-5

### DESCRIPTION

This product is an anatase titanium dioxide pigment, produced by sulfate process. It is an universal purpose type titanium dioxide.

### KEY FEATURES

High brightness                      Ease to disperse  
Good optical properties          Moderate 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: ≥98%  
Inorganic coating: No  
Organic treatment: No  
Specific gravity, g/cm<sup>3</sup>: 3.8~4.0  
Bulk density, g/cm<sup>3</sup>: 0.7~1.0  
Average particle size, μm: 0.26~0.30  
Oil absorption, g/100g: ≤22  
PH value: 6.0~8.5  
Classification---ISO591-1:2000(E): A1  
Color CIE L\*: ≥97.0  
Tinctorial power (Reynold's number): ≥1350

### 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.

## SPECIFICATION

### GENERAL INFORMATION

Product Name: Anatase Titanium Dioxide Pigment

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

Product Code: RC-101

Application System: Paper, Coatings, Plastics, etc.

### PROPERTIES

Test Items	Specification	Test Method
TiO <sub>2</sub> content (m/m)%:	≥98.0%	ISO591-1
Shade (Compared with standard)		Ruichem method
ΔL(CIELAB, D65/10°):	-0.30~0.30	
Δa(CIELAB, D65/10°):	-0.50~0.50	
Δb(CIELAB, D65/10°):	-0.50~0.50	
ΔE(CIELAB, D65/10°):	0.00~0.70	
Strength (Compared with standard):	90%~110%	Ruichem method
Moisture (105°C) :	≤0.5%	ISO787-2
Oil absorption (g/100g):	≤22	ISO787-5
Soluble matter in water:	≤0.5%	ISO787-3
Specific resistivity(Ω.m):	≥25	ISO787-14
PH value of aqueous suspension:	6.0~8.5	ISO787-9
Residue on sieve of 45um:	≤0.05%	ISO787-18