

Titanium Dioxide R-18

C.I. Name	Titanium Dioxide (PW6)
EC No.	236-675-5

CAS. No.	13463-67-7
Production Process	Sulfate Process

Product Description

Titanium Dioxide R-18 is a coatings and ink grade rutile TiO₂ manufactured by sulfate process. It is designed for optimal whiteness and gloss. It is coated with zirconia, alumina and special organic treatment for high level durability and weather ability.

Physical Data

TiO ₂ content %	≥93.5
Surface Treatment	AL ₂ O ₃ ZrO ₂
Specific Gravity	4.1
Oil Absorption	≤18
PH Value	6.0~9.0
Tinting Strength (TCS)*	±50
Undertone (SCX)*	±0.2

Chemical Resistance

Acid	5
Alkali	5
Alcohol	5
Ester	5
Ketone	5
Soap	5
Migration	5

Applications

- Coatings

Automotive Coating	●
Industrial Coating	●
Decorative Coating	●
Coil Coating	●
Wood Coating	●
Powder Coating	○

- Plastics

PVC	○
PE/PP/PO	○
ABS	○
PS	○
PA	○
Rubber	○

- Inks

Solvent based	●
Water based	●
UV / EB	●
Inkjet	●

● Recommend

○ Limited Suitability

- Not Recommended

Product Specification

Test Property	Specification	Test Method
dE	≤1.0	AFTM-P 2.1
Color Strength	100±5%	AFTM-P 2.1

Packaging, Shipping & Storage

Titanium Dioxide R-18 is supplied in powder form. The product is packed in 25kg/55lb paper bag and shipped on pallets (1000kg). Please keep the product stored under normal temperatures, dry and protected from weather.

All the information above is based on data obtained at laboratory and is not to be used for certifying the suitability of the product. Users are advised to test the product in their own system before purchase.