

Technical Data Sheet

Titanium Dioxide Rutile TYR-681

PRODUCT DESCRIPTION

TYR-681 is a zirconia and alumina inorganic and organic surface treated rutile TiO₂ pigment from the sulfate process. It has high glossiness, nice wetting and dispersion, good weathering resistance and high hiding power properties. It is especially used in outdoor water-based paint with high weather resistance, oil paint and ink.

APPLICATIONS

TYR-681 is mainly used in :

Powder coatings

oil paint

ink

TECHNICAL DATA

Quality parameters	Value
Crystal Structure	Rutile
ISO 591 and DIN 55912 Classification	R2
ASTM D476 Classification	III
Chemical Abstracts Number (CAS)	13463 -67-7
TiO ₂ Content (%)	≥93
Brightness (%)	≥98.3
pH Value	6.5~8.0
Oil absorption g/100g	≤18
Tinting Strength(Reynolds number)	≥1950
The content of rutile	≥99.5
Specific resistance, Ω m	≥100
Density (g/cm ³)	4.1
Average Particle Size (μm)	≤0.30
Surface Treatment	ZrO ₂ ; Al ₂ O ₃ ; organic

SAFETY & HEALTH INSTRUCTIONS

TYR-588 is not a hazardous substance according to international standards. A Material Safety Data Sheet will be provided upon request.

YIBIN HAIFENG XINHUA COMMERCE CO., LTD.

PACKAGING ,TRANSPORTATION AND STORAGE

25 Kg, 500 Kg and 1000 Kg; seaworthy and suitable for container transportation;
Keep it in dry and cool place.

DISCLAIMER

The information in this publication is, to the best of our knowledge, true. However, since the conditions of use are beyond our control, the recommendations provided here are not to be considered as a warranty expressed or implied.

In any case, caution must be exercised to avoid violation or infringement of regulatory requirements and any rights belonging to a third party.

We are, at all times, willing to study customer specific applications involving our products in order to enable their most effective use.

**YIBIN TIANYUAN HAIFENG HETAI CO.,LTD SICHUAN,
CHINA**