



Technical Data Sheet

Titanium Dioxide Rutile TYR-588

PRODUCT DESCRIPTION

TYR-588 is a zirconia and alumina inorganic and organic surface treated rutile TiO_2 pigment from the chlorination 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-588 is mainly used in :

outdoor water-based paint with high weather resistance

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, $\Omega \cdot \text{m}$	≥ 100
Density (g/cm^3)	4.1
Average Particle Size (μm)	≤ 0.30
Surface Treatment	ZrO_2 ; Al_2O_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.

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

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