



# TYR-588 TDS

## Chloride Process

# TITANIUM DIOXIDE

### Product Description

TYR-588 is a multi-purpose titanium dioxide ( $\text{TiO}_2$ ) pigment produced by the chloride process and coated with  $\text{Al}_2\text{O}_3$ ,  $\text{ZrO}_2$  and special organic surface treatment. TYR-588 is designed for formulators searching for a single grade of  $\text{TiO}_2$  with performance covering a wide range of applications: water and solvent-based-paint, inks, paper and plastics.

### Typical product properties

Physical Property	Typical Value
TiO <sub>2</sub> Content %	≥ 94.0
Rutile Content %	≥ 99.0
CIE L* (Linseed Oil System)	≥ 98.0
CIE b* (Linseed Oil System)	≤ 2.0
TCS (Tinting strength)	≥ 92
Oil Absorption g/100g	≤ 18.5
pH value	6.5-8.5
Volatile % at 105°C	≤ 0.5
Resistivity (Ω.m)	≥ 100
Sieve Residue % (45μm)	≤ 0.01

**Surface treatment:**  $\text{Al}_2\text{O}_3$ ,  $\text{ZrO}_2$  and Organic treatments

**Graded standard:** ISO591:R2: ASTM D-476-84:(IV)

### Product feature

- Bluish undertone
- High brightness
- High durability

- Multifunctional

### Principal Applications

- Indoor and outdoor gloss, semi-gloss architectural coating; Automotive OEM and re-finish paint, coil coating; Industrial anti-corrosive coatings, decorative coatings and powder coatings;
- Letterpress printing, offset printing, intaglio printing and other ink applications;
- Engineering plastics, colorant, profile and other plastic applications

### Safety & Health

If inhaled, move to fresh air immediately; If eye contacted, rinse thoroughly with plenty of water; call a physician if necessary

### Product Packaging

The product packaging bag is comprised of three layers of paper, with each bag weighing 25 kg. Different types of packaging can be organized in accordance to consumer needs

### Storage & Transportation

Products should be stored in a ventilated and dry storage in batches. Do not store product directly on the ground. They should be separated by items such as trays or plastic sheets. Keep out of contact with the reactive chemicals. Carefully load and unload during transportation. The same batch of products should be placed together to prevent packaging contamination/damage.

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