



TYR-588 TDS

Chloride Process

TITANIUM DIOXIDE

Product Description

TYR-588 is a multi-purpose titanium dioxide (TiO₂) pigment produced by the chloride process and coated with Al₂O₃, ZrO₂ and special organic surface treatment. TYR-588 is designed for formulators searching for a single grade of TiO₂ 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 ₂ Content %	≥ 94.0
Rutile Content %	≥ 99.0
CIE L* (Linseed Oil System)	≥ 97.0
CIE b* (Linseed Oil System)	2.0
TCS (Tinting strength)	≥ 1900
Oil Absorption g/100g	≤ 18.0
pH value	6.0-8.5
Volatile % at 105°C	≤ 0.5
Resistivity (Ω.m)	≥100
Sieve Residue % (45μm)	≤ 0.05

Surface treatment: Al₂O₃, ZrO₂ 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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