



# TYR-569 TDS

## Chloride Process

# TITANIUM DIOXIDE

### Product Description

TYR-569 is a rutile titanium dioxide ( $\text{TiO}_2$ ) pigment produced by the chloride process and coated with  $\text{Al}_2\text{O}_3$  and special organic surface treatment. TYR-569 is designed especially for polycarbonate (PC). The special treatment process provides the product with excellent anti-yellowing performance, anti-polyester system degradation Dissolving ability, high hiding power, good dispersibility and excellent dry powder fluidity,

### Typical product properties

Physical Property	Typical Value
TiO <sub>2</sub> Content %	≥ 94.5
Rutile Content %	≥ 99.5
CIE L* (Linseed Oil System)	≥ 98.2
CIE b* (Linseed Oil System)	≤ 2.0
TCS (Tinting strength)	≥95
Oil Absorption g/100g	≤ 14.0
pH value	6.0-8.5
Volatile % at 105°C	≤ 0.1
Resistivity (Ω.m)	≥100
Sieve Residue % (45μm )	≤ 0.01

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

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

### Product feature

- Strong resistance to polycarbonate degradation caused by the addition of  $\text{TiO}_2$
- Excellent resistance to high temperature yellowing
- Easy to disperse

- Blue Undertone
- High hiding power and tinting strength
- Excellent processing performance

### Principal Applications

- Polycarbonate (PC) Application
- Polycarbonate (PC) masterbatch
- PET, PA, ABS and other engineering plastics
- Other plastic applications with high process temperature ( $\geq 250^{\circ}\text{C}$ )

### 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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