

TYR-568

CHLORIDE-PROCESS RUTILE TITANIUM DIOXIDE PIGMENT FOR PLASTICS

01 PRODUCT DESCRIPTION

TYR-568 is a rutile titanium dioxide pigment produced by an advanced chloride process and treated with special inorganic and organic surface treatments, giving good whiteness, a bluish undertone, high tinctorial strength and good dispersibility. It is a general-purpose grade suited to plastics applications.

02 TECHNICAL SPECIFICATIONS

PROPERTY	SPECIFICATION	TYPICAL VALUE
TiO ₂ Content, %	≥ 96.0	—
Rutile Ratio, %	≥ 99.0	—
L*	≥ 98.2	—
b*	1.6 – 2.0	—
CBU	≥ 16	—
Oil Absorption, g/100g	≤ 16.0	—
Aqueous Suspension pH	6.5 – 8.5	—
Volatile at 105°C	≤ 0.3%	—
Resistivity of Aqueous Extract, Ω·m	≥ 90	—
Filtration Pressure, bar/kg	≤ 200	—
Surface Treatment	Al, organic	—

Typical values are representative production results provided for reference and do not constitute part of the product specification.

03 RECOMMENDED APPLICATIONS

- Engineering plastics such as PVC, PE, PP and ABS
- PS and its copolymers
- Plastics, masterbatch and film blowing

04 STORAGE & PACKAGING

STORAGE Store in a ventilated, dry area, sorted by batch, with the same batch kept together to prevent packaging contamination or damage. Do not store directly on the ground — separate with pallets or plastic sheeting. Protect from moisture, sun exposure and reactive chemicals; handle carefully during loading, unloading and transport.

PACKAGING 25 kg three-layer paper bags (quality-paper inner layer); 500 kg or 1000 kg jumbo bags available on request.

05 SAFETY & HANDLING

This product is non-toxic. If inhaled, move to fresh air immediately. If eye contact occurs, rinse thoroughly with plenty of water and call a physician if necessary. Avoid contact with food.

The information contained herein is provided free of charge and in good faith for the use of trained personnel. While believed to be reliable, it is given without warranty of any kind, express or implied. Users should conduct their own trials to determine suitability for a particular application before use. OxiWhite Global accepts no liability arising from the use of this information.