

JTCR-530

Titanium Dioxide · Technical Data Sheet

JIUTA Chemical · Quality Titanium Dioxide



Product Information

JTCR-530, a rutile titanium dioxide pigment, is produced by advanced chloride process and treated with special organics and inorganics. With excellent yellowing resistance and polyester system degradation resistance, high hiding power, good dispersion, and excellent dry powder fluidity, it is dedicated to Polycarbonate (PC).

Key Features

- PC degradation resistance
- High-temp yellowing resistance
- Bluish undertone
- High hiding power
- Excellent processing

Analysis and Physical Properties of JTCR-530

Property	Value
TiO ₂ , wt%	≥ 96
Rutile ratio%	≥ 99.9
Surface treatment	Al + Organics
L*	≥ 98.2
b*	1.6 – 2.0
CBU	≥14
Oil absorption (g/100g)	≤14.0
105°C volatile	≤0.1%
Resistivity (Ω.m)	≥100

Note: All values are typical unless otherwise specified

Suggestions for Use

- PC material field (highly recommended)
- PC masterbatch (highly recommended)
- PET, PA, ABS and other engineering plastics
- Other high-temperature plastics (> processing 250 °C)

Excellent high-temperature yellowing resistance

The special surface treatment process makes the product have excellent yellowing resistance and anti-polyester system degradation ability.

Strong resistance to polycarbonate degradation

After modifying TiO₂ with a special organic coating agent, the hydroxyl groups on the surface of TiO₂ are effectively prevented from direct contact with the PC molecular chain, and the thermal degradation of TiO₂/PC is improved.

Shipping Containers

- 25 kg paper bag

Product Storage

The shelf life of JTCR-530 is indefinite as long as the material is kept from direct contact with moisture. For further information or to request a sample, please visit jiutatitanium.com.