

JTCR-507

Product Information

Product Description

JTCR-507 is a rutile titanium dioxide pigment produced by chloride process. It is designed in applications which requiring high levels of resistance to chalking, gloss retention, and colorfastness. Except excellent outdoor durability, JTCR-507 also has good dispersibility, superior hiding power and tinting strength.

Table 1

Analysis and Physical Properties of JTCR-507

Property	Value
TiO ₂ , wt%	≥89.0
Alumina, wt%	3.5
SiO ₂ , wt%	5.5
Specific Gravity	3.9
Bulking Value, L/kg (gal/lb)	0.255 (0.031)
Organic Treatment	None
Color CIE L*	99.6
Median Particle Size, μm	0.50
Oil Absorption	22
pH	6.5-8.5
Carbon Black Undertone	12.0

Note: All values are typical unless otherwise specified

Key Features

- TMP Free
- Excellent exterior durability
- Good dispersibility
- Outstanding hiding power and tinting strength

Suggestions for Use

Due to its exceptional outdoor durability, JTCR-507 is an ideal choice for coating applications, including:

- OEM automotive topcoatings and refinish coating
- High-durability exterior coatings
- Aerospace coatings
- Powder coatings
- Other industrial OEM and professional coatings requiring exceptional resistance to chalking and color retention.
- Exterior plastic applications

Excellent exterior durability

JTCR-507 undergoes a uniform and dense 5.5% silica treatment combined with a 3.5% alumina treatment, which deliver its exceptional exterior durability.

Outstanding hiding power and tinting strength

The uniform particle size distribution of this titanium dioxide contributes to its outstanding hiding power and tinting strength.

Shipping Containers

JTCR-507 is available in 25 kg paper bag and 1 metric ton big bag.

Product Storage

The shelf life of JTCR-507 is indefinite as long as the material is kept from direct contact with moisture. For further information about this grade or to request a sample, please see the JIUTA website.