

JTCR-504

Product Information

Product Description

JTCR-504 is a rutile titanium dioxide pigment manufactured by the chloride process. It is specifically designed to give outstanding melt flow with highly loaded thermoplastics masterbatches. JTCR-504 combines high tinting strength and blue undertone.

Table 1

Analysis and Physical Properties of JTCR-504

Property	Value
TiO ₂ , wt%	≥97.0
Rutile conversion rate %	99.9
Alumina, wt%	1.7
Specific Gravity	4.0
Bulking Value, L/kg (gal/lb)	0.25 (0.03)
Organic Treatment	Yes
Color CIE L*	99.0
Median Particle Size, μm	0.28
Oil Absorption	15
pH	6.5-8.5
Carbon Black Undertone	17

Note: All values are typical unless otherwise specified

Key Features

- Extreme anti-lacing ability
- Excellent melt processing performance
- Excellent dispersion.
- High bluish

Suggestions for Use

JTCR-504 is recommended for use in:

- High concentration thermoplastic masterbatch
- Color masterbatch
- High temperature lamination and multi-layer co-extruded film

Extreme anti-lacing ability

JTCR-504 offers excellent lacing resistance in high-temperature extrusion coating and cast film applications.

Excellent dispersion

Better dispersion is achieved with JTCR-504 in resins versus conventional pigments as demonstrated with its extremely low FPV, resulting in easier downstream processing and greater product uniformity. Higher final product quality is realized as well, with fewer visual or film imperfections normally caused by lumps from poorly dispersed pigments.

Shipping Containers

JTCR-504 is available in 25 kg paper/PE bag and 1 metric ton big bag.

Product Storage

The shelf life of JTCR-504 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.