

JTR-753

Product Information

Product Description

JTR-753 is a new type of rutile titanium dioxide produced by sulphate process specially designed for reverse printing ink.

It has good dispersion and high opacity in related resin systems with special surface treatment of aluminium and silicon.

Table 1

Analysis and Physical Properties of JTR-753

Property	Value
TiO ₂ , wt%	≥88.0
Alumina, wt%	4.5
Silica, wt%	4.5
Specific Gravity	4.0
Bulking Value, L/kg (gal/lb)	0.25 (0.03)
Organic Treatment	Yes
Color CIE L*	99.3
Median Particle Size, μm	0.38
Oil Absorption	23
pH	7.0-8.5
Carbon Black Undertone	12.5

Note: All values are typical unless otherwise specified

Key Features

- Excellent dispersion
- High opacity
- Low abrasion rate

Suggestions for Use

JTR-753 adopts unique surface treatment technology, has high oil absorption, and has excellent opacity in high PVC system. It has very good application performance in the following fields:

- Reverse printing inks
- Printing ink for composite flexible packaging
- High opacity Matte paints

Excellent dispersion

With special silicon-aluminum and organic surface treatment, it has excellent dispersion in the resin related to the reverse printing ink.

High opacity and Low abrasion rate

The surface of titanium dioxide is coated with a relatively large amount of silicon aluminum, which has greater opacity and tinting strength compared to titanium dioxide with less inorganic surface treatment at high pigment volume concentrations, making it suitable for matte paints and reverse printing inks. The surface of titanium dioxide is coated with a soft aluminum oxide, which can bring lower abrasion rate.

Shipping Containers

JTR-753 is available in 25 kg paper bag and 1 metric ton big bag.

Product Storage

The shelf life of JTR-753 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.