

JTCR-579

Product Information

Product Description

JTCR-579 is a rutile titanium dioxide produced by advanced chloride process, with inorganic surface treatment of Phosphate and Alumina, resulting in good whiteness, high retention and high sunlight resistance, dedicated to use in paper.

Table 1

Analysis and Physical Properties of JTCR-579

Property	Value
TiO ₂ , wt%	≥90.0
Alumina, wt%	6.2
Phosphate, wt%	1.8
Specific Gravity	4.0
Bulking Value, L/kg (gal/lb)	0.25 (0.03)
Organic Treatment	Yes
Color CIE L*	98.2
Resistance of aqueous extract	0.35
Color fastness, blue wool standard	≥Grade 7
pH	6.5-8.5
Carbon Black Undertone	≥8

Note: All values are typical unless otherwise specified

Key Features

- High whiteness
- High retention on paper
- Excellent dispersion
- High sunlight resistance, UV protection

Suggestions for Use

JTCR-579 is suggested to used in:

- HPL&LPL paper
- Decorative foil
- Laminate flooring and furniture

High retention rate and high hiding power

With special surface treatment technology, this titanium dioxide is closely combined with paper fibers during the paper production, so it has a high retention rate. JTCR-579 has excellent particle size distribution which brings high dispersibility.

High sunlight resistance

JTCR-579 is optimized through inorganic surface treatment, it has high sunlight resistance in these application fields, so the paper has strong resistance to discoloration. In the standard test (EN438-2:2016+A1:2018), the light fastness grade is above grade 7.

Shipping Containers

JTCR-579 is available in 25 kg paper bag/water soluble paper bag and 1 metric ton big bag.

Product Storage

The shelf life of JTCR-579 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.