

JTR-779

Product Information

Product Description

JTR-779 is a rutile titanium dioxide produced with sulphate process, with inorganic surface treatment of Alumina and Phosphate. This grade is specially designed and surface treated for decorative laminates which is widely used in the production of wall panels and furniture. In paper production, it exhibits high retention, high hiding power and excellent light fastness ability.

Table 1

Analysis and Physical Properties of JTR-779

Property	Value
TiO ₂ , wt%	≥90.0
Alumina, wt%	6.0
Phosphate, wt%	2.0
Specific Gravity	4.0
Bulking Value, L/kg (gal/lb)	0.25 (0.03)
Organic Treatment	No
Color CIE L*	98.0
Median Particle Size, μm	0.38
Lightfastness grade, blue wool standard	≥Grade 5
pH	6.5-8.5
Carbon Black Undertone	≥10

Note: All values are typical unless otherwise specified

Key Features

- Excellent water dispersion
- High retention rate
- High hiding power
- Excellent light fastness ability

Suggestions for Use

JTR-779 is suggested to be used in:

- HPL&LPL paper
- wood grain paper
- Decorative paper and decorative foil

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. JTR-779 has excellent particle size distribution which brings high hiding power.

Excellent light fastness ability

JTR-779 is optimized through inorganic surface treatment, it has excellent light fastness 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 6.

Shipping Containers

JTR-779 is available in 25 kg paper bag/water soluble paper bag and 1 metric ton big bag.

Product Storage

The shelf life of JTR-779 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.