

JTR-N102

Titanium Dioxide · Technical Data Sheet

JIUTA Chemical · Quality Titanium Dioxide



Product Information

JTR-N102 is a white fluffy powder. Its main component is titanium dioxide, which is inorganically coated with one or both of hydrated alumina and hydrated silica. The lipophilic grade (JTR-N102Y) is subjected to organic treatment. The product exhibits two morphologies: needle-like and ellipsoidal. Articles manufactured using this product demonstrate excellent resistance to photoaging and weathering.

Key Features

- Easy to disperse
- High UV resistant performance

Analysis and Physical Properties of JTR-N102

Property	JTR-N102	JTR-N102Y
Crystal Type	Rutile	Rutile
Specific Surface Area	≈50	≈50
TiO ₂ , wt%	85–95	70–80
pH	6.0–9.0	6.0–9.0
Inorganic coating	Al(OH) ₃	SiO ₂
Organic coating	—	Yes

Note: All values are typical unless otherwise specified

Suggestions for Use

- Various sunblock creams, sunblock water, sunscreen lotion etc.

Suggestions for Use

First, JTR-N102 is pulped in a suitable dispersion medium and fully dispersed to obtain a dispersion. Preferred dispersion method: pulping concentration 10%–30%, cyclic grinding twice in a sand mill.

Addition Suggestions

The quality percentage of JTR-N102/102Y in target products was 15%–20%.

Shipping Containers

- 10 kg box

Product Storage

The shelf life of JTR-N102 is indefinite as long as the material is kept from direct contact with moisture. For further information or to request a sample, please visit jiutatitanium.com.