



TiO₂ – RUTILE TITANIUM DIOXIDE

Titanium dioxide is an inorganic mineral white pigment used in a wide range of applications including polymer compounds, coatings and inks. It is used to provide products with a bright, white colour.

Guangxi Bluestar Dahua

Guangxi Bluestar Dahua has been producing TiO₂ since 1989 and operates two plants in Baise city, Guangxi. After more than 30 years of growth and development Guangxi Bluestar Dahua have reached a total capacity of both rutile and

anatase Titanium dioxide of 67,000 tons per year. Their plants cover an area of 690,000 square meters, with more than 660 staff including 91 in product technology.

Like Qenos, Guangxi Bluestar Dahua is a subsidiary of China National Bluestar.

Products

There are two main rutile products of Guangxi Bluestar Dahua, DHR-966 and DHR-968, which are manufactured using the sulphate process.

TECHNICAL PROPERTIES

Product Properties	DHR-966	DHR-968
Purity TiO ₂ %	≥ 93	≥ 94
Residue on sieve 45µm %	≤ 0.05	≤ 0.05
Colour L*	≥ 97.5	≥ 97.5
Colour b*	≤ 2.3	≤ 2.3
Matter volatile at 105°C	≤ 0.8	≤ 0.8
Tinctorial power (TCS)	≥1800	≥1800
Water soluble %	≤ 0.5	
PH of suspension, aqueous solution retained	6.5 ~ 8.5	6.5 ~ 8.5
Oil absorption g/100g	≤ 22	≤ 21
Resistivity of aqueous extract Ωm	≥ 50	≥ 50
Rutile crystal from conversion %	≥ 97.5	≥ 97.5
Organic matter	YES	YES

TITANIUM DIOXIDE RUTILE DHR-966

Product characteristics: DHR-966 is a Rutile TiO₂ pigment which is surface treated with an inorganic Si, Al surface coating. It has average particle size distribution, good whiteness, strong tinting strength, high gloss, good dispersion and good weather resistance.

Application: General use product, widely used in plastics, coating, rubber, masterbatch and paper making industries.



TITANIUM DIOXIDE RUTILE DHR-968

Product characteristics: DHR-968 is a Rutile TiO₂ pigment which is surface treated with an inorganic Zr, Al surface coating. It has low oil absorption, good dispersion, excellent hiding power, good optical properties, good whiteness and strong tinting strength.

Application: Coating and printing ink.



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