

### R818 rutile (titanium dioxide)

Rutile (titanium dioxide) R818 is a generic titanium dioxide prepared through the sulfuric acid method and is a non-toxic, chemically stable white powder treated with a zirconium-aluminum coating by a special organic process. It has good whiteness, brightness, glossiness, and hiding power, and is achromatic, with good dispersibility and excellent weather-resistance and non-chalkiness.

Characteristics:

R818 is a titanium dioxide pigment treated with an inorganic silicon-aluminum coating and organic solvents, which has a strong glossiness, and good hiding power, weather resistance, and dispersibility.

Applications:

PVC piping, paper making, coatings, plastics, rubber, and master batches

Packaging:

25 kg paper-plastic bag; large 500 kg or 1,000 kg bags

Technical indicators:

Properties	Indicator
Purity TiO <sub>2</sub> (percentage)	≥94
Rutile conversion rate (percentage)	≥97
Color (based on standard sample)	No less than
Achromatic power (based on standard sample, percentage)	≥110
105 ° C volatile (percentage)	≤0.80
Soluble in water (percentage)	≤0.5
pH value in water suspension	6.0 ~ 8.5
Oil absorption (g/100g)	≤22.0
Hiding power	(to be determined)

Uses: R818 is a generic titanium dioxide that is widely used as a superior indoor coating, or for solid content paints, powder coatings, road signs, marine paints, and inks, as well as in plastics (PVC, polyethylene, polystyrene, polyurethane), rubber, paper, or leather.