

**R-838****Description:**

R838 rutile is a generic titanium dioxide prepared by the sulfuric acid method that is a nontoxic,

Chemically stable white powder treated with a silicon-aluminum coating and special organic solvents. After air-drying late in the production process, R838 has excellent dispersibility and a strong whiteness, brightness, glossiness, good hiding power, achromatic power, as well as excellent weather-resistance and non-chalkiness.

**Applications:**

Water-based coatings, emulsion paint, powder coatings, printing ink, other areas.

**Technical indicators**

Properties	Indicator
TiO <sub>2</sub> content (percentage ≥)	92
Color (based on standard sample)	No less than
Achromatic power (based on standard sample, percentage ≥)	105
Volatiles, 24h, 105°C (percentage ≤)	1.0
pH value in water suspension	6.0-8.5
Oil absorption (g/100g ≤)	21
45 μm sieve residue (percentage ≤)	0.07
Average particle diameter (μm)	0.20-0.26
Crystal conversion rate (percent ≥)	98.5

**Packaging:**

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