**R818 Titanium Dioxide rutile**

**Product Introduction**

R818 is produced by sulfuric acid process，It is a kind of rutile titanium dioxide coated with inorganic silicon aluminum and treated with organic surface.It can provide excellent performance in indoor and outdoor and industrial applications. It is a high quality universal grade titanium dioxide pigment.

**[product](javascript:;)** **[feature](javascript:;)：**

1. Excellent whiteness, excellent concealer and fading power
2. With high weather resistance and chemical stability, so that the product has a good ability to Resist powder.
3. Good fluidity and temperature resistance, high dispersion, so that it has excellent application performance in plastic and coating industries.

|  |  |
| --- | --- |
| Item | Index |
| Mass fraction of TiO2% | ≥94 |
| 105 Mass fraction of volatiles % | ≤ 0.8 |
| Mass fraction of aqueous solution% | ≤ 0.5 |
| Mass fraction of sieve residue (45μm)% | ≤0.05 |
| Color (compared with standard sample) | [not](javascript:;) [lower](javascript:;) [than](javascript:;) |
| Fading power (compared with standard sample) | 112 |
| PH Value of Aqueous Suspension | 6.5-8.5 |
| [oil](javascript:;) [absorption](javascript:;)  g/100g | ≤22 |
| Resistivity of water liquid extract Ωm | ≥50 |
| Rutile type conversion rate % | ≥98.0 |
| Mean Corpuscular Diameter μm | 0.22-0.26 |
| organic substance | Yes |

Application field Recommendation

1.GPPS

2.Profile and pipe material

3.[architectural](javascript:;) [coating](javascript:;)

4.coil coating

5.Ink

6.[powder](javascript:;) [coating](javascript:;)

[Packaging](javascript:;)

25kg [paper-plastic](javascript:;) [compound](javascript:;) [bag](javascript:;)、500kg and 1000kg PP [packing](javascript:;) [bag](javascript:;).

**Remark:**

Product specifications are subject to the test report