



南京钛白化工有限责任公司

NANJING TITANIUM DIOXIDE CHEMICAL CO.,LTD.

TECHNICAL DATA SHEET

Titanium Dioxide Rutile NR9501

Molecular formula : TiO₂

Molecular weight : 79.9

Characters : Rutile grade Titanium Dioxide pigment produced by Sulfate process for PVC profile and pipe material. Inorganic coating SiO₂ and Al₂O₃ are applied to the surfaces. Hydrophobic organic treatment is implemented to the product and therefore possesses excellent pigment performances.

Quality Standard : Q/320116 NJTB 003-2018

Version No.: 2018.09.04

Product specification

| Items | Specification | Typical Analysis | Test Method |
|-------------------------------------|---------------|------------------|------------------------|
| TiO ₂ content (wt%) | min. 94.0 | 94.4 | GB/T 1706-2006-7.1 |
| Matter volatile at 105°C (wt%) | max. 0.5 | 0.3 | GB/T 5211.3-1985(2004) |
| Matter soluble in water (wt%) | max. 0.3 | 0.2 | GB/T 5211.2-2003 |
| Residue on sieve (45µm) (wt%) | max. 0.05 | 0.05 | GB/T 5211.18-2015 |
| Colour (L *) | min. 94.5 | 95.5 | GB/T 1864-2012 |
| Scattering power (%) | min. 100 | 114 | GB/T 1706-2006-7.6 |
| pH of aqueous suspension | 6.5~8.5 | 7.6 | GB/T 1717-1986(2004) |
| Oil absorption (g/100g) | max. 21 | 20 | GB/T 5211.15-2014 |
| Resistivity of aqueous extract(Ω·m) | min. 70 | 100 | GB/T 5211.12-2007 |
| Content of Rutile(%) | min. 98 | 99 | GB/T 30793-2014 |

Applications: Used for PVC pipeline and profile.

Standard Package: 25Kgs/bag, 1,000Kgs/pallet, 20~22MT/20' GP

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