

SINOTitanium Dioxide

Product Name: TC-A100 Titanium Dioxide Anatase (General-purpose)

Molecular formula: TiO₂

Molecular weight: 79.9



Characters: No poisonous, chemically stable product. As pigment, it possesses such good features as good whiteness, strong hiding power, and high tint reducing power.

Quality Standard: Q/3201 NTH 03-2009 (modified ISO591-1:2000)

Characteristic	Requirement
Titanium dioxide content % (by mass), min.	98.0
Matter volatile at 105°C at point of acceptance % (by mass), max.	0.5
Matter soluble in water % (by mass), max.	0.5
Residue on sieve (45µm) % (by mass), max.	0.05
Colour(L*) min.	95.0
Scattering power %, min.	100
PH of aqueous suspension	6.5~8.0
Oil absorption value g/100g , max.	26
Resistivity of aqueous extract, Ω·m , min.	20

Applications: Broadly used in kinds of indoor plastic pipelines, films, cosmetics, ceramics, rubber, leathers, coatings, papers and so on.

Packaging: In 25 kg multi-ply paper bag or 500kg,1000kg bulk bag

Storage: The products should not be stored in outside areas and avoiding direct contact with moisture.

Safety Instructions: Always wear gloves and protective clothes when handling this products. More information about the product, please see the MSDS or contact us directly.

Product Name: TC-A101 Anatase Titanium Dioxide



Appearance: White powder,non-toxic,easy to disperse,with good chemical stability,tint reducing power and covering power. Low in heavy metal content.

Item	Standard
TiO ₂ ,%(m/m)≥	98.0
Color (as compared with reference standard)	Not lower than
Whiteness of dry powder Wg≥	95.0
Tint reducing power (as compared with reference standard)≥	105
Volatile at 105°C %(m/m) ≤	0.4
Volatile at 105°C after 24h stay at (23±2)°C/RH (50±5)%, %(m/m) ≤	0.5
Water soluble substances,%(m/m) ≤	0.5
pH value of aqueous suspension	6.5-8.0
Oil absorption,g/100g ≤	24
Residue on sieve 45µm,%(m/m) ≤	0.06
Resistance of aqueous extract,Ωm ≥	20
Fe ₂ O ₃ ,ppm ≤	80

Application: In interior latex paint and lacquer,coatings,rubber,leather,printing ink

Packaging: In 25 kg multi-ply paper bag or 500kg,1000kg bulk bag

Storage: The products should not be stored in outside areas and avoiding direct contact with moisture.

Safety Instructions: Always wear gloves and protective clothes when handling this products. More information about the product, please see the MSDS or contact us directly.

Product Name: TC-A102 Anatase Titanium Dioxide for Paper



Appearance: White powder, non-toxic. It has good pigment properties and water dispersibility. It is used in paper to increase opacity, smoothness, whiteness and gloss, and to improve physical/mechanical performance.

Item	Standard
TiO ₂ , %(m/m) ≥	98.0
Whiteness of dry powder Wg ≥	96.0
Tint reducing power (as compared with reference standard) ≥	102
Volatile at 105°C %(m/m) ≤	0.4
Water soluble substances, %(m/m) ≤	0.5
pH value of aqueous suspension	6.5-8.0
Oil absorption, g/100g ≤	24
Residue on sieve 45μm, %(m/m) ≤	0.08
Resistance of aqueous extract, Ωm ≥	20
Fe ₂ O ₃ , ppm ≤	80
Water absorption, g/100g ≤	30
Water dispersibility, % ≥	75

Application: In manufacture of paper, paper board, mid to high-concentration water-borne coatings or color paste.

Packaging: In 25 kg multi-ply paper bag or 500kg, 1000kg bulk bag

Storage: The products should not be stored in outside areas and avoiding direct contact with moisture.

Safety Instructions: Always wear gloves and protective clothes when handling this products. More information about the product, please see the MSDS or contact us directly.

Product Name: TC-A200 Titanium Dioxide Anatase

Molecular Formula: TiO₂

Molecular Weight: 79.9



Characters: No poisonous and chemically stable product. As pigment, it possesses such features as high purity, good whiteness, strong hiding power and high tint reducing power.

Quality Standard: Q/3201 NTH 03-2009 (modified ISO591-1:2000)

Characteristic	Requirement
Titanium dioxide content % (by mass), min.	98.0
Matter volatile at 105°C at point of acceptance % (by mass), max.	0.4
Matter soluble in water % (by mass), max.	0.4
Residue on sieve (45µm) % (by mass), max.	0.03
Colour(L*) min.	96.0
Scattering power % , min.	110
pH of aqueous suspension	6.5~8.0
Oil absorption value g/100g , max.	22
Resistivity of aqueous extract, Ω·m , min.	30

Applications: Broadly used in kinds of Ink, high-grade coating, powder coating, papers, and so on.

Packaging: In 25 kg multi-ply paper bag or 500kg,1000kg bulk bag

Storage: The products should not be stored in outside areas and avoiding direct contact with moisture.

Safety Instructions: Always wear gloves and protective clothes when handling this products. More information about the product, please see the MSDS or contact us directly.

Product Name: TC-A300 Titanium Dioxide Anatase

Molecular formula: TiO₂

Molecular weight: 79.9



Characters: No poisonous and chemically stable product. As pigment, it possesses such features as high purity, good whiteness and strong hiding power.

Quality Standard: Q/3201 NTH 03-2009 (modified ISO591-1:2000)

Characteristic	Requirement
Titanium dioxide content % (by mass), min.	98.3
Matter volatile at 105°C at point of acceptance % (by mass), max.	0.5
Matter soluble in water % (by mass), max.	0.5
Residue on sieve (45µm) % (by mass), max.	0.03
Colour(L*) min.	95.0
Scattering power % , min.	100
pH of aqueous suspension	7.0~8.5
Oil absorption value g/100g , max.	26
Resistivity of aqueous extract, Ω·m , min.	20

Applications: The product is the raw material for the production of titanium dioxide used for delustering of chemical fiber.

Packaging: In 25 kg multi-ply paper bag or 500kg,1000kg bulk bag

Storage: The products should not be stored in outside areas and avoiding direct contact with moisture.

Safety Instructions: Always wear gloves and protective clothes when handling this products. More information about the product, please see the MSDS or contact us directly.

Product Name: TC-R930 Titanium Dioxide Rutile (R3)

Molecular formula: TiO₂

Molecular weight: 79.9



Characters: No poisonous and chemically stable product. The surfaces of the product are coated by tight inorganic compounds, so that it possesses the features such as excellent optical performances, good weather resistance, high hiding power, high tint reducing power and good dispersity.

Quality Standard: Q/3201 NTH 03-2009 (modified ISO591-1:2000)

Characteristic	Requirement
Titanium dioxide content % (by mass), min.	80.0
Matter volatile at 105°C at point of acceptance % (by mass), max.	1.0
Matter soluble in water % (by mass), max.	0.3
Residue on sieve (45µm) % (by mass), max.	0.05
Colour(L*) min.	95.0
Scattering power % , min.	100
pH of aqueous suspension	6.5~8.0
Oil absorption value g/100g , max.	23
Resistivity of aqueous extract, Ω·m , min.	50
Content of rutile %, min.	98

Applications: Used for coating and plastics with requirement on high weather resistance.

Packaging: In 25 kg multi-ply paper bag or 500kg,1000kg bulk bag

Storage: The products should not be stored in outside areas and avoiding direct contact with moisture.

Safety Instructions: Always wear gloves and protective clothes when handling this products. More information about the product, please see the MSDS or contact us directly.

Product Name: TC-R940 Rutile Titanium Dioxide
 (Al treated,special-puopose)



Appearance: White powder,surface treated with Al,non-toxic,easy to disperse. It has high brightness and whiteness,good tint reducing power and covering power.

Item	Standard
TiO ₂ ,%(m/m) ≥	92.0
Color (as compared with reference standard)	not lower than
Whiteness of dry powder Wg ≥	90.0
Tint reducing power (as compared with reference standard) ≥	105
Volatile at 105°C %(m/m) ≤	1.0
Volatile at 105°C after 24h stay at (23±2)°C/RH (50±5)%,(m/m) ≤	1.5
Water soluble substances,%(m/m) ≤	0.3
pH value of aqueous suspension	6.5-8.0
Oil absorption,g/100g ≤	23
Residue on sieve 45µm,%(m/m) ≤	0.05
Resistance of aqueous extract,Ωm ≥	50
Rutile content,% ≥	98

Application: In industrial coatings,paper,flexible PVC,printing ink,enamel paint and latex paint.
 Not recommended for hard PVC containing lead stabilizer.

Packaging: In 25 kg multi-ply paper bag or 500kg,1000kg bulk bag

Storage: The products should not be stored in outside areas and avoiding direct contact with moisture.

Safety Instructions: Always wear gloves and protective clothes when handling this products.
 More information about the product, please see the MSDS or contact us directly.

Product Name: TC-R950 Titanium Dioxide Rutile
 (General-purpose)

Molecular Formula: TiO₂

Molecular Weight: 79.9



Characters: No poisonous and chemically stable product. The surfaces of the product are coated with tight inorganic or organic compounds, therefore it possesses such features as excellent pigment performance, good hiding power, high tint reducing power and good dispersity.

Quality Standard: Q/3201 NTH 03-2009 (modified ISO591-1:2000)

Characteristic	Requirement
Titanium dioxide content % (by mass),min.	90.0
Matter volatile at 105°C at point of acceptance % (by mass), max.	0.75
Matter soluble in water % (by mass), max.	0.3
Residue on sieve(45µm) % (by mass), max.	0.05
Colour (L*) min.	95.0
Scattering power % , min.	100
pH of aqueous suspension	6.5~8.0
Oil absorption value g/100g , max.	23
Resistivity of aqueous extract, Ω·m , min.	50
Content of rutile% , min.	98

Applications: Plastics articles and PVC pipeline, coating, paper making, ink, master batch and so on. This series of product could be classified according to the properties of the organic coating compounds. TC-R 950A is suitable for hydrophobic system, TC-R950B is suitable for amphiphilic system, and TC-R950C is suitable for hydrophilic system.

Packaging: In 25 kg multi-ply paper bag or 500kg,1000kg bulk bag

Storage: The products should not be stored in outside areas and avoiding direct contact with moisture.

Safety Instructions: Always wear gloves and protective clothes when handling this products. More information about the product, please see the MSDS or contact us directly.

Product Name: TC-R960 Titanium Dioxide Rutile

Molecular Formula: TiO₂

Molecular Weight: 79.9



Characters: No poisonous and chemically stable product. The surfaces of the product are coated with multi-inorganic compounds, therefore it possesses such features as excellent pigment performance, good hiding power, high tint reducing power and good dispersity.

Quality Standard: Q/3201 NTH 03-2009 (modified ISO591-1:2000)

Characteristic	Requirement
Titanium dioxide content % (by mass),min.	90.0
Matter volatile at 105℃ at point of acceptance % (by mass), max.	1.0
Matter soluble in water % (by mass), max.	0.3
Residue on sieve(45μm) % (by mass), max.	0.05
Colour(L*) min.	95.0
Scattering power % , min.	100
pH of aqueous suspension	6.5~8.0
Oil absorption value g/100g , max.	23
Resistivity of aqueous extract, Ω·m , min.	50
Content of rutile % , min.	98

Applications: Multi-compounds coating. It could be used for flexible PVC articles, printing ink and high performance coating, and etc.

Packaging: In 25 kg multi-ply paper bag or 500kg,1000kg bulk bag

Storage: The products should not be stored in outside areas and avoiding direct contact with moisture.

Safety Instructions: Always wear gloves and protective clothes when handling this products. More information about the product, please see the MSDS or contact us directly.

Product Name: TC-R980 Titanium Dioxide Rutile

Molecular Formula: TiO₂

Molecular Weight: 79.9



Characters: No poisonous and chemically stable product. The surfaces of the product are coated with inorganic and organic compounds, therefore it possesses such features as excellent pigment performance, high gloss, good whiteness, good hiding power, high tint reducing power, good dispersity, excellent weather and powder resistance.

Quality Standard: Q/3201 NTH 03-2009 (modified ISO591-1:2000)

Characteristic	Requirement
Titanium dioxide content % (by mass),min.	92.0
Matter volatile at 105℃ at point of acceptance % (by mass), max.	0.5
Matter soluble in water % (by mass), max.	0.3
Residue on sieve(45μm) % (by mass), max.	0.02
Colour(L*) min.	96.0
Scattering power % , min.	110
pH of aqueous suspension	6.5~8.0
Oil absorption value g/100g , max.	20
Resistivity of aqueous extract, Ω·m , min.	100
Content of rutile % , min.	98

Applications: Used in high-grade coatings(including powder coating and polyacrylic acid coating), plastics, master batch, printing ink etc.. This series of product could be classified according to the properties of the organic coating compounds. TC-R980A is suitable for hydrophobic system, TC-R980B is suitable for amphiphilic system, and TC-R980C is suitable for hydrophilic system.

Packaging: In 25 kg multi-ply paper bag or 500kg,1000kg bulk bag

Storage: The products should not be stored in outside areas and avoiding direct contact with moisture.

Safety Instructions: Always wear gloves and protective clothes when handling this products. More information about the product, please see the MSDS or contact us directly.