

Ti-GLOW 

Titanium Dioxide

Ti-GLOW titanium dioxide is white crystalline material derived from natural minerals TiO₂ it is essential for opaque paints and coatings and also used for plastic, paper, laminate furniture, cosmetics, medicines, in the textile industry and as a UV filter in sunscreen. Its opacity is unbeatable.

Ti-GLOW Types	Anatase		Rutile			
	Ti-GLOW A 100	Ti-GLOW P 101	Ti-GLOW R 578	Ti-GLOW R 588	Ti-GLOW R 598	Ti-GLOW C 628
Sulphate Process	○	○	○	○	○	
Chloride Process						○

Specification	Anatase	Rutile			
	Ti-GLOW A 100	Ti-GLOW R 578	Ti-GLOW R 588	Ti-GLOW R 598	Ti-GLOW C 628
TiO ₂ Contents	98.5% Min.	98% Min.	94% Min.	95% Min.	95% Min.
Rutile Contents	Anatase	98% Min.	98% Min.	98.5% Min.	99% Min.
Whiteness (Compare to Standard Sample)	98% Min.	96% Min.	96.5% Min.	97.5% Min.	98% Min.
Medium Particle Size	0.25 um	0.29 um	0.27 um	0.25 um	0.25 um
Tinting-Strength (Reynolds Number)	-	1780 Min.	1880 Min.	1950 Min.	2000 Min.
Oil Absorption	-	21g/100g Max.	20g/100g Max.	18g/100g Max.	18g/100g Max.
pH	6.5-8.5	6.5-7.5	6.5-7.5	6.5-7.5	8.0-9.0
Residue 45 um	0.01% Max.	0.01% Max.	0.01% Max.	0.01% Max.	0.01% Max.
105°C Volatile	0.5% Max.	0.5% Max.	0.5% Max.	0.5% Max.	0.3% Max.
Water Soluble	0.5% Max.	0.5% Max.	0.5% Max.	0.5% Max.	0.3% Max.

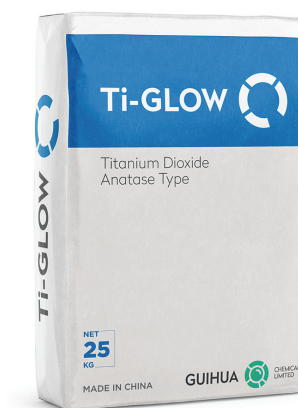
Titanium Dioxide Anatase Ti-GLOW A 100

Material: Titanium Dioxide Anatase

Grade: Ti-GLOW A 100

Description

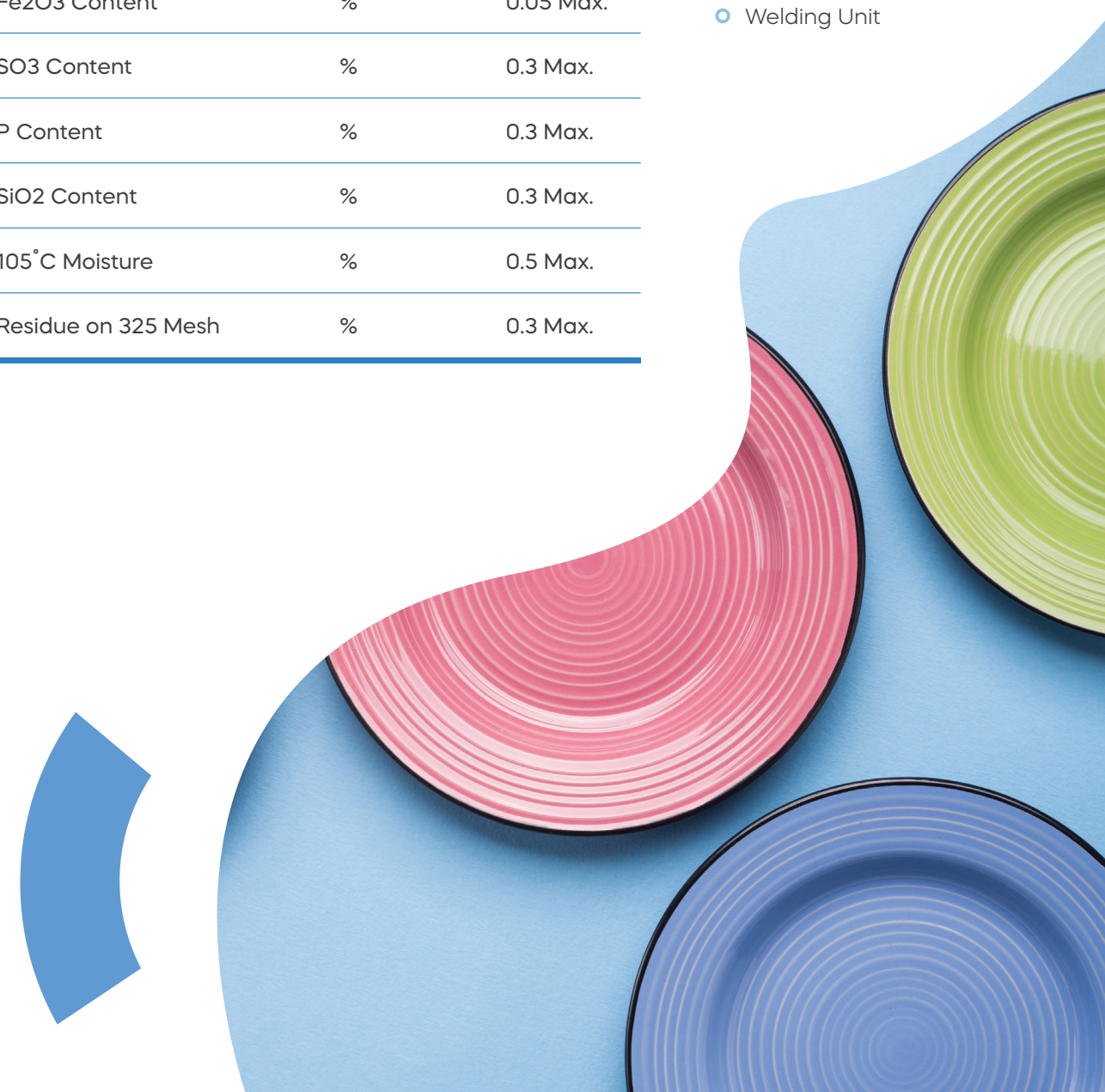
Ti-GLOW A 100 is a titanium dioxide pigment manufactured by the sulphate process. On the basis of advanced technology, it is actively treated with unique surface dispersion technology by adding inorganic additives which can reduce the surface force between the particles of titanium dioxide, enhance the powder dry-flow ability, greatly improve the dispersion properties.



Specification	Unit	Specs
TiO ₂ Contents	%	98.5 Min.
Fe ₂ O ₃ Content	%	0.05 Max.
SO ₃ Content	%	0.3 Max.
P Content	%	0.3 Max.
SiO ₂ Content	%	0.3 Max.
105°C Moisture	%	0.5 Max.
Residue on 325 Mesh	%	0.3 Max.

Applications

- Enamel
- Ceramic Industry
- Electronic Industry
- Electric Appliances
- Welding Unit



Titanium Dioxide Anatase Ti-GLOW P 101

Material: Titanium Dioxide Anatase
Grade: Ti-GLOW P 101

Description

P 101 is Anatase Titanium Dioxide pigment produced by the sulphate process with advanced technology, having excellent pigment properties such as high purity, fine particle size and narrow size-distribution, high whiteness, excellent dispersibility, low oil absorption and strong hiding power. Anatase titanium dioxide pigment P 101 with outstanding dispersibility is specially designed for the top grades applications, the quality is equivalent to A 100.

Ti-GLOW P 101

Specification	Unit	Specs
TiO2 Content	%	≥98.0
Color (Compared with Standard Sample) ΔL^* (Sample-Standard Sample) $\Delta s=(\Delta a^2+\Delta b^2)^{0.5}$		Not lower than ≥-0.3 ≤0.5
Matter Volatile at 105°C	%	≤0.5
Matter Soluble in Water	%	≤0.5
Residue on Sieve 45µm	%	≤0.1
pH of Aqueous Suspension		6.5-8.0
Brightness	%	≥97.5
Oil Absorption	g/100g	≤26
Tinting Strength (Compared with Standard Sample)	%	≥105

Applications

- Tiles
- Welding Electrode
- Coatings
- Interior-Wall Latex Painting
- Inner Decorative Painting
- Ink
- Plastic
- Rubber
- Paper
- Leather Industries



Ti-GLOW Titanium Dioxide

Titanium Dioxide Rutile **Ti-GLOW R 578**

Material: Rutile Type Titanium Dioxide TiO₂
Grade: Ti-GLOW R 578

Ti-GLOW R 578 is a micronized white pigment based on a rutile grade titanium dioxide. It combines small particle size, low oil absorption, good tint-reducing power, widely used in paints, coating, plastics and paper industry.



Specification	Content
TiO ₂ Contents	98 Min.
Rutile Contents	98 Min.
Whiteness (Compare to Standard Sample)	96 Min.
Medium Particle Size	0.29 um
Tinting-Strength (Reynolds Number)	1780 Min.
Oil Absorption	21g/100g Max.
pH	6.5-7.5
Residue 45 um	0.01% Max.
105°C Moisture	0.5% Max.
Water Soluble	0.5% Max.

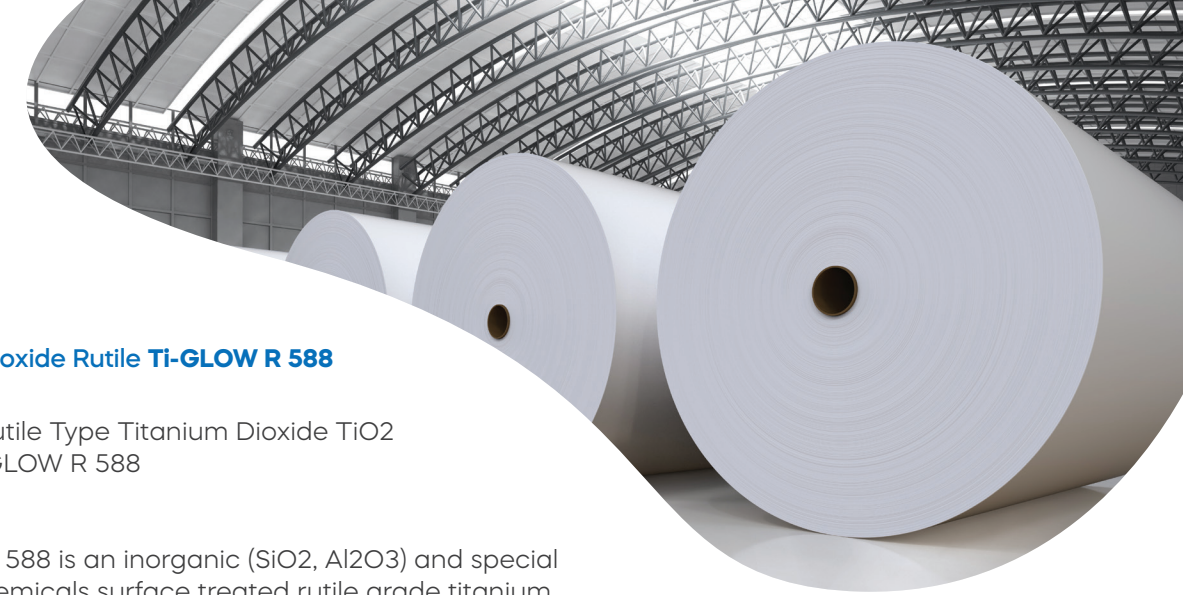
Applications

- Decorative Paint
- Paper Industry
- Print Inks

Titanium Dioxide Rutile **Ti-GLOW R 588**

Material: Rutile Type Titanium Dioxide TiO₂
Grade: Ti-GLOW R 588

Ti-GLOW R 588 is an inorganic (SiO₂, Al₂O₃) and special organic chemicals surface treated rutile grade titanium dioxide. It combines with high whiteness, high gloss, excellent tinting strength and weather durability, low oil absorption and ease of dispersion in both water and solvent based system. The quality is at the high level of china market and the price is very competitive which welcomed by both domestic and overseas customer.



Specification	Content
TiO ₂ Contents	94% Min.
Rutile Contents	98% Min.
Whiteness (Compare to Standard Sample)	96.5% Min.
Medium Particle Size	0.27 um
Tinting-Strength (Reynolds Number)	1880 Min.
Oil Absorption	20g/100g Max.
pH	6.5-7.5
Residue 45 um	0.01% Max.
105°C Moisture	0.5% Max.
Water Soluble	0.5% Max.

Applications

- Decorative Paints
- Industrial Paint
- Print Inks
- Paper Industry
- Masterbatch
- Synthetic Fiber
- Dyes

Titanium Dioxide Rutile **Ti-GLOW R 598**

Material: Rutile Type Titanium Dioxide TiO₂
Grade: Ti-GLOW R 598

Ti-GLOW R 598 is an inorganic (SiO₂, Al₂O₃, Zr₂O₃) and special organic chemicals surface treated rutile grade titanium dioxide. It combines with excellent whiteness and gloss, excellent tinting strength and opacity, high durability, low oil absorption and ease of dispersion in both water and solvent based system. The most advantage is the excellent whiteness with bluish color.

Specification	Content
TiO ₂ Contents	95% Min.
Rutile Contents	98.5% Min.
Whiteness (Compare to Standard Sample)	97.5% Min.
Medium Particle Size	0.25 um
Tinting-Strength (Reynolds Number)	1950 Min.
Oil Absorption	18g/100g Max.
pH	6.5-7.5
Residue 45 um	0.01% Max.
105°C Moisture	0.5% Max.
Water Soluble	0.5% Max.

Applications

- Solvent Type Coating
- Industrial Paint
- Surface Printing Ink
- Iron Printing Coatings (Ink)
- Powder Coatings
- Plastic Masterbatch
- High Gloss Paint for Interior and Exterior Wall

Titanium Dioxide Rutile **Ti-GLOW C 628 (Chloride Process)**

Material: Rutile Type Titanium Dioxide TiO₂
Grade: Ti-GLOW C 628

Ti-GLOW C 628 is an inorganic (Al₂O₃&Zr₂O₃) and special organic chemicals surface treated rutile grade titanium dioxide. The best color in the titanium dioxide and present the blue hue which recommend to replace high quality chloride process TiO₂. High dispersibility, super durability, high opacity, high-gloss finish, stability.

Specification	Unit	Content
TiO ₂ Contents	%	95 Min.
Rutile Contents	%	99 Min.
Whiteness (Compare with Standard Sample)	-	98 Min.
CIE L*	-	98 Min.
B*	-	1.8 Max.
Medium Particle Size	um	0.25
Tinting-Strength (Reynolds Number)		2000 Min.
Oil Absorption	g/100g	18 Max.
pH	-	8.0-9.0
Residue 45 um	%	0.01 Max.
105°C Moisture	%	0.3 Max.
Water Soluble	-	0.3 Max.

Applications

- Exterior Coatings
- Industrial Coatings
- Traffic Paints
- Latex Emulsion Paints
- Plastics
- Ink Industry

