



Technical Data Sheet

GR-901

GR-901 is a multi-functional rutile-type titanium dioxide manufactured by chloride process using high-quality raw materials. Advanced inorganic coating by zirconium-aluminum, organic treatment have been adopted in production..

This product has the advantage of good particle size distribution and excellent blue undertone. It is widely applicable to coatings, inks, papermaking, plastics etc.

Typical Technical Indicators

ISO591-1 Classification	R2		
Index Item	Unit	Method	Standard
Appearance		Visual inspection	White powder
TiO ₂ content	%	Q/GT001-2025	≥93.5
Rutile content	%	GB/T30793-2014	≥99.8
Hunter whiteness (Dry powder)	%	Q/GT001-2025	≥98.5
TCS Reynolds number	-	Q/GT001-2025	≥2000
Oil absorption	g/100g	GB/T 5211.15-2014	≤19.0
Resistivity	Ω•m	GB/T 5211.12-2007	≥80
Sieve residue (45μm)	%	GB/T5211.18-2021	≤0.03
PH value	-	GB/T 5211.6-2020	6.5~8.5
Volatile at 105℃	%	GB/T 5211.3-2020	≤0.5

Product Characteristics

Blue undertone, high brightness, high gloss, good dispersibility, weather resistant, multi-functional

Recommended Applications

- ✧ Interior and exterior glossy and semi-glossy architectural coatings, decorative coatings, wood coatings, automotive OEM and repair coatings, coil coatings, industrial anti-corrosion coatings, road marking paints and powder coatings and other coatings fields.



- ✧ Cameo printing, offset printing, intaglio printing and other ink fields.
- ✧ Medium and high-grade decorative papers and other fields.

Safety & Health

This product is non-toxic. If inhalation, immediately move to an area with fresh air; if eyes come into contact with titanium dioxide, immediately rinse with plenty of water; if necessary, have professional medical personnel to handle.

Product Packaging

The product is packaged in full paper bag with a net weight of 25kg per bag.

The different form of packaging also could be provided If there's a special request from our customers.

Storage & Transport

The products should be classified and stored in separate batches in a well-ventilated and dry place, not be directly placed on the ground. They should be separated by using pallets or plastic sheets, etc. Pay attention to moisture prevention and sun protection. Do not come into contact with items that may react with the products.

During transportation and handling, the products should be handled gently. Same batch products should be placed together to prevent contamination and damage of packaging. The products should be protected from rain and direct sunlight exposure during shipping.

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