

TITANIUM DIOXIDE

ΛΙΟΚΑ

EXIM
SM

IMPORT | EXPORT | EMPOWER

“A GLOBAL DISTRIBUTION HUB”

W h y c h o o s e U S ?

AIOKA SM EXIM LLP is a Trading House, along with state-of-the-art laboratory, R&D, and Test Center facilities equipped with advanced technology. Our robust technical expertise, cutting-edge research capabilities, and exceptional teamwork are the cornerstones of our commitment to delivering top-quality products and exceptional services. This dedication has earned us the trust and praise of both domestic and international customers.

Furthermore, our company is home to a knowledgeable and efficient import and export team with extensive professional experience and a strong service orientation. Guided by the principles of delivering the best quality, the best price, and the best service, **AIOKA SM EXIM LLP** is committed to continuous self-improvement, aiming to serve customers worldwide.

We eagerly welcome the opportunity to understand your specific requirements and how our services can contribute to achieving your overall goals and expectations. Additionally, we are interested in learning more about the steps needed for approval in your supplier database. We look forward to the possibility of collaborating with you soon.

G l o b a l R e a c h

With an expansive marketing network extending to over 40 countries and regions, including Europe, the USA, South America, Southeast Asia, the Middle East, Hong Kong, and Taiwan, our global reach ensures widespread accessibility to our products and services. This extensive presence enables us to cater to diverse markets and effectively meet the needs of customers worldwide. By establishing strong connections across various continents, we foster international partnerships and collaborations, facilitating seamless transactions and enhancing customer satisfaction. Our commitment to global expansion reflects our dedication to delivering excellence on a worldwide scale, positioning us as a trusted partner in the global marketplace.

“ T I T A N I U M D I O X I D E ”

We specialize in sourcing and selling **TITANIUM PRODUCTS**. We assure a consistent quality of our products and supply the best quality of **TITANIUM DIOXIDE**. Our reach and global presence is something that does not need a special mention. We control the quality strictly and maintain our standards leaving our clients free of any hassles.



ANATASE
GRADE

RUTILE
GRADE

POLYMER
GRADE

A1 is an **Anatase titanium dioxide** pigment that is versatile and no surface treatment. It has good hiding power and especially suitable for such applications in industries like - Paint, plastic, paper, printing and ink.

R1 is a **white pigment** based on water solubility, widely used in paper, aqueous paint (especially for lacteal paint used indoor and outdoor), and aqueous printing ink. Taking high grade TiO_2 , type **RUTILE** from abroad as standard sample, processed by advanced production techniques introduced from abroad, with organic and inorganic surface treatment, uniformity size, high whiteness, fine water dispersibility and high weatherability is what we deliver.

R2 is a **RUTILE** titanium dioxide pigment that is treated on its surface and is versatile and with many function. It's particle size distribution is narrow. It has good whiteness and high weatherability. It is widely used for coatings, plastic, paper, rubber and printing ink etc.

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APPLICATION GUIDE

Application (Type)	R2902	R2901	R2900	R2000	R1000
Architecture emulsion coating					
Indoor	***	***	**	**	*
Outdoor	***	***	**		
Undercoats	*	**		***	**
Solvent based architecture paints					
Indoor	***	**	***	**	*
Outdoor	***	**	**		
Undercoats	*	**	**	***	**
Automotive paints					
Primer	**	**	**	**	*
Finish Paints	***	*	**		
Refinish Paints	***	**	***		
Other Industrial Paints					
Coil Paints	***	**	***		
Indoor Powder Coatings	***	**	**	**	*
Outdoor Powder Coatings	***	**	***		
Container Coatings	***	**	***		
Anti-corrosive Paints	***	**	***		
Marine Paints	***	**	***		
Road Sign Paints	***	**	***	**	
Primers, Undercoats	**	**	***	***	**
High Solid Paints	***	**	***		
Weather Resistance	***	***	**		
Non Weather Resistance	***	**	***	***	**
Printing Inks					
Solvent Based Inks	***	**	***		**
Water Based Inks	***	***	**		**
Paper	***	***	**	***	***

*** Optimal ** Recommendable * Alternative

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APPLICATION GUIDE

Application (Type)	R2101	R2104	R2105	R2106	R2902	R2000	R1000
PE							
Blown film		**	**	***			
Cast film		**	**	***			
Extrusion Coating	*	**	***	***	*		
Fibre	*	**	***	***	*		*
Blow Molding	*	***	***	***	*	*	*
Injection Molding	**	***	***	***	*	**	**
Outdoor	**	***	***	*	**		
PVC							
Rigid, Indoor	***	***	***	***	*	**	**
Rigid, Outdoor	**	***	***	*	**		
Plasticized, Indoor	**	***	***	***	*	**	**
Plasticized, Outdoor	**	***	***	*	**		
Pipe	***	***	***	**	**	*	*
Lead Stabilized	*	***	***	**	**		
Floor	**	***	***	**	**	**	*
PP	*	***	***	**	*	*	
PS	*	***	***	**	*	*	
PA	*	***	***	**	*	*	
PC	*	***	***	**	*	*	
PES	*	***	***	**	*	*	
ABS	*	***	***	**	*	*	
Chemical Fibre		**	***	**	*		***

*** Optimal ** Recommendable * Alternative

“ T I T A N I U M D I O X I D E ”

AIO R2900

Product Description

AIO R2900 is a kind of high quality Rutile Titanium Dioxide which has been inorganic coated by Zirconium, Aluminum and special organic substance surface treatment. It provides excellent gloss, colour and good durability, specially suitable for the solvent based system.

Advantages:

Excellent gloss | Easy dispersion | High hiding power

Typical Properties	Specification	Test Method
TiO ₂ Content	≥94.0%	ISO591-1
Volatile matter at 105°C	≤0.5%	ISO787-2
Resistivity of aqueous extract	≥150Ω-M	ISO787-14
Residue on sieve (45μm)	≤0.05%	ISO787-18
PH value	6.5-8.0	ISO787-9
Oil absorption	≤20g/100g	ISO787-5
Specific gravity	4.0g/cm ³	ISO787-10

Recommended Applications:

Optimal applications in solvent-based paints, industrial coatings, printing inks and also suitable for plastics, masterbatch products.

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.

All information given and recommendations made herein are based upon research and are believed to be accurate. Since the application process and conditions of use of our products are beyond our control, all recommendations and suggestions are made without guarantee.

“ T I T A N I U M D I O X I D E ”

AIO R2901

Product Description

AIO R2901 is a kind of high quality Rutile Titanium Dioxide which has been inorganic coated by Silicon, Aluminum and special organic substance surface treatment. It provides excellent weather resistance and high hiding power, specially suitable for the water based system.

Advantages:

Easy dispersion | High hiding power | Excellent durability

Typical Properties	Specification	Test Method
TiO ₂ Content	≥93.0%	ISO591-1
Volatile matter at 105°C	≤0.5%	ISO787-2
Resistivity of aqueous extract	≥50Ω-M	ISO787-14
Residue on sieve (45μm)	≤0.05%	ISO787-18
PH value	7-8.5	ISO787-9
Oil absorption	≤20g/100g	ISO787-5
Specific gravity	3.9g/cm ³	ISO787-10

Recommended Applications:

Optimal applications in solvent-based paints, industrial coatings, printing inks and also suitable for plastics, masterbatch products.

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:

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“ T I T A N I U M D I O X I D E ”

AIO R2902

Product Description

AIO R2902 is a kind of high quality Rutile Titanium Dioxide which has been inorganic coated by Zirconium, Silicon, Aluminum and special organic substance surface treatment. It provides excellent weather resistance and dispersibility. R2902 is a multi-function titanium dioxide pigment which can replace several famous International brands.

Advantages:

Excellent durability | Outstanding gloss | Blueish Hue

Typical Properties	Specification	Test Method
TiO ₂ Content	≥92.0%	ISO591-1
Volatile matter at 105°C	≤0.5%	ISO787-2
Resistivity of aqueous extract	≥80Ω-M	ISO787-14
Residue on sieve (45μm)	≤0.01%	ISO787-18
PH value	6.5-8.0	ISO787-9
Oil absorption	≤20g/100g	ISO787-5
Specific gravity	4.0g/cm ³	ISO787-10

Recommended Applications:

Optimal applications in solvent-based paints, industrial coatings, printing inks and also suitable for plastics, masterbatch products.

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:

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“ T I T A N I U M D I O X I D E ”

AIO R2101

Product Description

AIO R2101 is a kind of high quality Rutile Titanium Dioxide which has been inorganic coated by Zirconium, Aluminum and special organic substance surface treatment. It provides high gloss and high dispersibility and specially suitable for the plastic products.

Advantages:

Saving coat | Easy dispersion | Good weather resistance

Typical Properties	Specification	Test Method
TiO ₂ Content	≥90.0%	ISO591-1
Volatile matter at 105°C	≤0.5%	ISO787-2
Resistivity of aqueous extract	≥50Ω-M	ISO787-14
Residue on sieve (45μm)	≤0.03%	ISO787-18
PH value	7-8.5	ISO787-9
Oil absorption	≤20g/100g	ISO787-5
Specific gravity	3.9g/cm ³	ISO787-10

Recommended Applications:

Optimal applications plastics, rubber, masterbatch and also suitable for coating products.

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:

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“ T I T A N I U M D I O X I D E ”

AIO R2104

Product Description

AIO R2104 is a kind of high quality Rutile Titanium Dioxide which has been inorganic coated by Zirconium, Silicon, Aluminum and special organic substance surface treatment, it provides excellent weather resistance and dispersibility. R2104 is a real versatile grade titanium dioxide pigment for plastic products.

Advantages:

High gloss | Excellent dispersibility | Consistent and reliable quality

Typical Properties	Specification	Test Method
TiO ₂ Content	≥95.0%	ISO591-1
Volatile matter at 105°C	≤0.5%	ISO787-2
Resistivity of aqueous extract	≥80Ω-M	ISO787-14
Residue on sieve (45µm)	≤0.02%	ISO787-18
PH value	6.5-8.0	ISO787-9
Oil absorption	≤19g/100g	ISO787-5
Specific gravity	4.1g/cm ³	ISO787-10

Recommended Applications:

Optimal applications plastics, masterbatch and also suitable for printing inks.

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.

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“ T I T A N I U M D I O X I D E ”

AIO R2105

Product Description

AIO R2105 is a kind of high quality Rutile Titanium Dioxide which has been inorganic coated by Zirconium, Silicon, Aluminum and special organic substance surface treatment, it provides excellent weather resistance and high hiding power. R2105 is a top grade titanium dioxide pigment for plastic products.

Advantages:

Excellent weather resistance | Outstanding dry powder fluidity | Easy dispersion in plastic products

Typical Properties	Specification	Test Method
TiO ₂ Content	≥93.0%	ISO591-1
Volatile matter at 105°C	≤0.5%	ISO787-2
Resistivity of aqueous extract	≥80Ω-M	ISO787-14
Residue on sieve (45μm)	≤0.01%	ISO787-18
PH value	6.5-8.0	ISO787-9
Oil absorption	≤19g/100g	ISO787-5
Specific gravity	4.0g/cm ³	ISO787-10

Recommended Applications:

Optimal applications outside plastics and masterbatch products.

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.

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“ T I T A N I U M D I O X I D E ”

AIO R2106

Product Description

AIO R2106 is a kind of high quality Rutile Titanium Dioxide which has been inorganic coated by Aluminum and special organic substance surface treatment, it provides excellent dispersion and high hiding power. R2106 is the most suitable for the plastic masterbatch products

Advantages:

Low moisture and low oil absorption | Easily dispersed in plastic, can be processed into high-concentration masterbatch | Without peculiar smell when been processed

Typical Properties	Specification	Test Method
TiO ₂ Content	≥97.0%	ISO591-1
Volatile matter at 105°C	≤0.4%	ISO787-2
Resistivity of aqueous extract	≥100Ω·M	ISO787-14
Residue on sieve (45μm)	≤0.01%	ISO787-18
PH value	6.5-8.0	ISO787-9
Oil absorption	≤16g/100g	ISO787-5
Specific gravity	4.1g/cm ³	ISO787-10

Recommended Applications:

Optimal applications in plastic film and masterbatch products.

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:

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“ T I T A N I U M D I O X I D E ”

AIO A1000

Product Description

AIO A1000 is a general type Anatase Titanium Dioxide. Strictly control every production process and this product is carefully controlled within narrow limits for particle size, color shade. A1000 provic good whiteness, high tint-reducing power and dispersibility. It is one of the best anatase titanium dioxide in China.

Advantages:

Good whiteness | High dispersibility | high tint-reducing power

Typical Properties	Specification	Test Method
TiO ₂ Content	≥98.5%	ISO591-1
Volatile matter at 105°C	≤0.5%	ISO787-2
Water soluble matter	≤0.5%	ISO787-14
Residue on sieve (45μm)	≤0.05%	ISO787-18
PH value	6.5-8.0	ISO787-9
Oil absorption	≤20g/100g	ISO787-5
Specific gravity	3.85g/cm ³	ISO787-10

Recommended Applications:

Applications in paints, emulsion paints, paper, printing ink, masterbatch and fiber products.

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.

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“ T I T A N I U M D I O X I D E ”

AIO R2000

Product Description

AIO R2000 is a kind of Micronized Rutile Titanium Dioxide which has not any surface treatment. It provides excellent hiding power, good whiteness and dispersion, suitable for the products without high requirements on weather resistance.

Advantages:

Excellent hiding power | Good whiteness | Cost saving

Typical Properties	Specification	Test Method
TiO ₂ Content	≥99.0%	ISO591-1
Volatile matter at 105°C	≤0.5%	ISO787-2
Resistivity of aqueous extract	≥50Ω-M	ISO787-14
Residue on sieve (45μm)	≤0.05%	ISO787-18
PH value	6.5-8.0	ISO787-9
Oil absorption	≤19g/100g	ISO787-5
Specific gravity	4.2g/cm ³	ISO787-10

Recommended Applications:

Optimal applications in primer paints, middle layer coating, road-marking paint, interior coating, plastics which has no high requirements on 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:

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“ T I T A N I U M D I O X I D E ”

AIO R6618

Product Description

AIO R6618 is a zirconium, aluminum and organic surface treated multipurpose rutile titanium dioxide pigment, it has average particle size distribution.

Advantages:

Excellent Dispersibility | High Gloss | Whiteness | High Hiding Power | Good Weather resistance

Typical Properties	Specification
The content of titanium dioxide, %	≥94.0%
Brightness	≥97.5%
Oil absorption, g/100g	≤19.5%
PH value of aqueous suspension	6.5-8.5
Tinting Strength (Compared with the standard sample)	≥110%
The content of rutile, %	≥97.5%
Oil dispersion (Hegman)	≥6%
Residue on sieve(45μm), %	≤0.02
Resistivity, Ω•m	≥60

Recommended Applications:

Optimal Applications coating, paints, plastics, ink, leather, rubber, and ink production.

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.

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