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BLR-895
Technical Data Sheet

Description: BLR-895 is a rutile titanium dioxide pigment produced by the chloride process. It is recommended for a range of coatings applications.
BLR-895 has outstanding dispersion performance, dispersing quickly and easily. It also has excellent opacity and gloss, and delivers a brilliant whiteness with a clean blue tone. With its carefully selected inorganic surface coating, BLR-895 provides a high level of weatherability, making it flexible across both interior and exterior applications.

Key Features:

- Excellent whiteness and opacity
- Excellent dispersion
- Good weatherability
- High gloss

Applications:

- Interior and exterior architectural coatings
- Water and solvent-based industrial coatings
- Powder coatings
- Automotive OEM coatings and refinishing coatings
- Coil coatings and marine protection coatings

Typical Properties:

TiO_2 content /%	≥ 94.0
Rutile crystal content	≥98.5
Inorganic coating	Alumina, Zirconia, Silica
Surface treatment	Al_2O_3, ZrO_2
Volatile constituents at 105℃	≤ 0.5
Residue, 45μm /%	≤ 0.01
pH	6.0-9.0
Resistivity, Ω·m	≥ 80
Oil absorption, g/100g	≤ 18
CIE L*	≥ 98.0
CIE b*	≤ 1.0
Specific gravity, g/cm^3	4.1

Classifications:

- ASTM D476 - 00 (2000) Type VII
- EINECS number 236-675-5
- Color Index 77891, Pigment White 6
- ISO 591-1:2000 Type R2
- CAS number 13463-67-7

Safety

Good industrial hygiene practice should be used to avoid the generation of dust. Please refer to the Material Safety Data Sheet for more information on the handling of this product.

Storage

This product should not be stored outside or exposed to weather. All direct contact with moisture should be avoided.

Packaging

Titanium dioxide pigments are available in 25kg compound paper bag, 500kg and 1000kg plastic woven bag.

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BLR-896
Technical Data Sheet

Description:
BLR-896 is a rutile titanium dioxide pigment produced by the chloride process. It is specifically designed for industrial coatings but also performs well in architectural coatings. With its optimized alumina and dense silica coating, it provides superior durability for the most demanding exterior applications, whilst also providing excellent optical and dispersion performance for superb visual appearance and formulation efficiency.

Key Features:
High whiteness and opacity
Good weatherability
Excellent dispersion
High gloss

Applications:
Interior and exterior architectural coatings with requirements of high gloss and weatherability
Water and solvent-based Industrial coatings
Automotive OEM coatings and refinishing coatings
High weatherability powder coatings
Coil coatings, building board and marine protection coatings

Typical Properties:

TiO_2 content /%	≥ 93.0
Rutile crystal content	≥ 98.5
Inorganic coating	Alumina, Dense Silica
Organic treatment	Present
Surface treatment	Al_2O_3, SiO_2
Volatile constituents at 105℃/%	≤ 0.5
Residue, 45μm /%	≤ 0.01
pH	6.0-9.0
Resistivity, Ω·m	≥ 80
Oil absorption, g/100g	≤ 19
CIE L*	≥ 98.0
CIE b*	≤ 1.0
Specific gravity, g/cm^3	4.1

Classifications:
ASTM D476 - 00 (2000) Type VII
ISO 591-1:2000 Type R2
EINECS number 236-675-5
CAS number 13463-67-7
Color Index 77891, Pigment White 6

Safety
Good industrial hygiene practice should be used to avoid the generation of dust. Please refer to the Material Safety Data Sheet for more information on the handling of this product.

Storage
This product should not be stored outside or exposed to weather. All direct contact with moisture should be avoided.

Packaging
Titanium dioxide pigments are available in 25kg compound paper bag, 500kg and 1000kg plastic woven bag.

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BLR-500
Technical Data Sheet

Titanium Dioxide Pigment
RUTILE

Applications

Paints, plastics and all fields without requirement of utmost weatheribility
- -- Inner coat, road marking paint
- -- Solvent based enamel paints
- -- Short-run or interior plastic products

Typical Properties

Ti02 content	(m/m)	≥ 98.0%
Rutile crystal content		≥ 98.0%
Volatile constituents at 105° C	(m/m)	≤ 0.4%
Residue on sieve of 45 µm	(m/m)	≤ 0.05%
PH		≥ 8.00
Tinctorial power (compared with standard sample)		≥ 100
Oil Absorption	(g/1OOg)	≤ 19

Characteristics

Without inorganic surface treatment
Easily dispersed in all kinds of paints and plastics

Classifications

ISO 591	R1
ASTM D-476-84	Type I
Surface treatment	W/0

Packing

25kg compound paper bag / 500kg plastic woven bag

Properties of each shipment will be subject to the accompanied supplier's Certificate of Analysis.

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BLR-501
Technical Data Sheet
Titanium Dioxide Pigment

Product Introduction
BLR-501 is rutile titanium dioxide with organic surface treatment. It has good whiteness and hiding power, medium weatherability and ease of dispersion in solvent-based systems.

Chemical/Typical Properties:

TiO_2 Content	(m/m,%)	≥98.5
Rutile Crystal Content	(%)	≥97.0
Volatile Constituents @ 105^{o}C	(m/m,%)	≤0.7
Residue Sieve of 45μm	(m/m,%)	≤0.03
pH		6.0-8.5
Oil Absorption	(g/100g)	≤17.0
Specific Gravity	(g/cm^3)	4.2

Application
BLR-501 is widely used in interior and exterior ornamental paints, road marking paint and color master batch.

Packaging
25kg/compound paper bag and 500 or 100kg/plastic woven bag

Properties of each shipment will be subject to the accompanied supplier's Certificate of Analysis.

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BLR-601

Technical Data Sheet

Titanium Dioxide Pigment

Applications
High-class exterior coatings, Acid-catalyzed coatings, Durable powder coatings, Solvent-based printing inks; Plastics, Paper making.

Typical Properties

Ti02 content	(m/m)	≥ 94.0%
Rutile crystal content		≥ 98.0%
Volatile constituents 1'Jt105'C	(m/m)	≤ 0.7%
Resistivity	(tern)	≥ 8000
Residue on sieve of45 µm	(m/m)	≤ 0.05%
PH		6.0-8.5
AL*(Sample-standard')		≥ -0:3
Asb		≤ 0.5
Tinctorial power		≥ 1850
Oil Absorption	(g/100g)	≤ 21.0
Specific Gravity	(g/cm')	4.1

Note: a standard sample is decided with customer
b.A s= ((a*sample-a*standard)2+(b*sample-b*standard)2)1/2

Characteristics
Adopting Zinc Chemicals to salt treatment:
Multipurpose pigment with inorganic and organic surface treatment
Surface treatment: Silica; Alumina, Amphiphllically Modified.

Classifications

ISO 591	R2	ASTMD-476-84	Type II

Packing
25kg compound paper bag / 500kg, 1OOOkg plastic woven bag

Shelf Life
2 years

Properties of each shipment will be subject to the accompanied supplier's Certificate of Analysis.

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BLR-602
Technical Data Sheet
Titanium Dioxide Pigment

Applications
High-quality paper, Water based paints.

Typical Properties

TiO, content	(m/m)	≥ 93.0%
Rutile crystal content		≥ 97.0%
Volatile constituents at 105°C	(m/m)	≤ 0.7%
Resistivity	(Ω.cm)	≥ 4000
Residue on sieve of 45 μm	(m/m)	≤ 0.03%
PH		6.0-8.5
ΔL (Sample-standard)		≥ -0.3
Δs		≤ 0.5
Tinctorial power		≥ 1850
Water Absorption	(g/1OOg)	≤ 21.0
Specific Gravity	(g/cm^3)	4.1

Note: a. standard sample is decided with customer

b. $\Delta s = [(a^* \text{ sample} - a^* \text{ standard})^2 + (b^* \text{ sample} - b^* \text{ standard})^2]^{112}$

Characteristics
Adopting Zinc Chemicals to salt treatment.
With inorganic and organic surface treatement.
Surface treatment: Silica, Alumina, Hydrophilically Modified with organics.

Classifications

ISO 591	R2	ASTMD-476-84	Type II

Packing
25kg. compound paper bag / 500kg, 1000kg plastic woven bag

Properties of each shipment will be subject to the accompanied supplier's Certificate of Analysis.

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BLR-621
Technical Data Sheet
Titanium Dioxide Pigment

Applications

High-class exterior coatings, Acid O catalyzed coatings, Durable powder coatings, Solvent-based printing inks, Plastics, Paper making

Typical Properties

TiO, content	(m/m)	≥ 93.0
Rutile crystal content		≥ 98.0
Volatile constituents at 105°C	(m/m)	≤ 0.7
Resistivity	(Ω.cm)	≥ 8000
Residue on sieve of 45 μm	(m/m)	≤ 0.05
PH		6.0 – 8.5
ΔL (Sample-standard)		≥ -0.3
Δs		≤ 0.5
Tinctorial power		≥ 1870
Oil Absorption	(g/100g)	≤ 20.0
Specific Gravity	(g/cm^3)	4.1

Note a. standard sample is decided with customer

b. $s = [(a^*\text{sample} - a^*\text{ standard})^2 + (b^*\text{ sample} - b^*\text{ standard})^2)1^{12}$

Characteristics

Multipurpose pigment developed on the basis of BLR-601.
With inorganic and organic surface treatment.
Whiteness and weatherability are higher than BLR-601
Surface treatment: Silica, Alumina, Amphiphilically Modified.

Classifications

ISO 591	R2	ASTMD-476-84	Type II

Packing

25kg. compound paper bag / 500kg, 1000kg plastic woven bag

Properties of each shipment will be subject to the accompanied supplier's Certificate of Analysis.

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BLR-631
Technical Data Sheet
Titanium Dioxide Pigment

Applications
Masterbatch, Plastics, Rubber, Color Paste, Color Toner; Solvent-based printing inks.

Typical Properties

TiO, content	(m/m)	≥ 97.0
Rutile crystal content		≥ 98.0
Volatile constituents at 105°C	(m/m)	≤ 0.7
Resistivity	(Ω.cm)	≥ 8000
Residue on sieve of 45 μm	(m/m)	≤ 0.05
PH		6.0 – 8.5
ΔL (Sample-standard)		≥ -0.3
Δs		≤ 0.5
Tinctorial power		≥ 1900
Oil Absorption	(g/100g)	≤ 18.0
Specific Gravity	(g/cm^3)	4.1

N o t e: a. standard sample is decided with customer

b. $\Delta l\ s = [(a\bullet \text{ sample } a^* \text{ standard})^2 + (b^* \text{sample } b^* \text{ standard})^2]^{12}$

Characteristics
Adopting Zinc Chemicals to salt treatment.
Good gloss and hiding power, anti-chalking and ease of dispersion in plastic and rubber.
Surface treatment: Alumina, Lipophilicly modified with organics.

Classifications

ISO 591	R2	ASTMD-476-84	Type II

Packing
25kg. compound paper bag / 500kg, 1000kg plastic woven bag

Properties of each shipment will be subject to the accompanied supplier's Certificate of Analysis.

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BLR-699
Technical Data Sheet
Titanium Dioxide Pigment

Applications
High-class exterior coatings, Acid-catalyzed coatings, Durable powder coatings, Solvent-based printing inks, Plastics with higher requirement on brightness and weatherability, High-quality paper.

Typical Properties

TiO, content	(m/m)	≥ 94.0
Rutile crystal content		≥ 97.0
Volatile constituents at 105°C	(m/m)	≤ 0.7
Resistivity	(Ω.cm)	≥ 10000
Residue on sieve of 45 μm	(m/m)	≤ 0.03
PH		6.0 – 8.5
ΔL (Sample-standard)		≥ -0.3
Δs		≤ 0.5
Tinctorial power		≥ 1880
Oil Absorption	(g/100g)	≤ 19.0
Specific Gravity	(g/cm^3)	4.1

Note: a. standard sample is decided with customer

b. $\Delta s=[(a^*\text{sample} - a^*\text{standard})^2 + (b^*\text{ sample} - b^*\text{ standard})^{2}\ ]^{12}$

Characteristics
Adopting Zinc Chemicals to salt treatment.
Multipurpose pigment with inorganic and organic surface treatment.
Surface treatment: Zirconia, Alumina, Amphiphilically Modified.

Classifications

ISO 591	R2	ASTMD-476-84	Type II

Packing
25kg. compound paper bag / 500kg, 1000kg plastic woven bag

Properties of each shipment will be subject to the accompanied supplier's Certificate of Analysis.

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