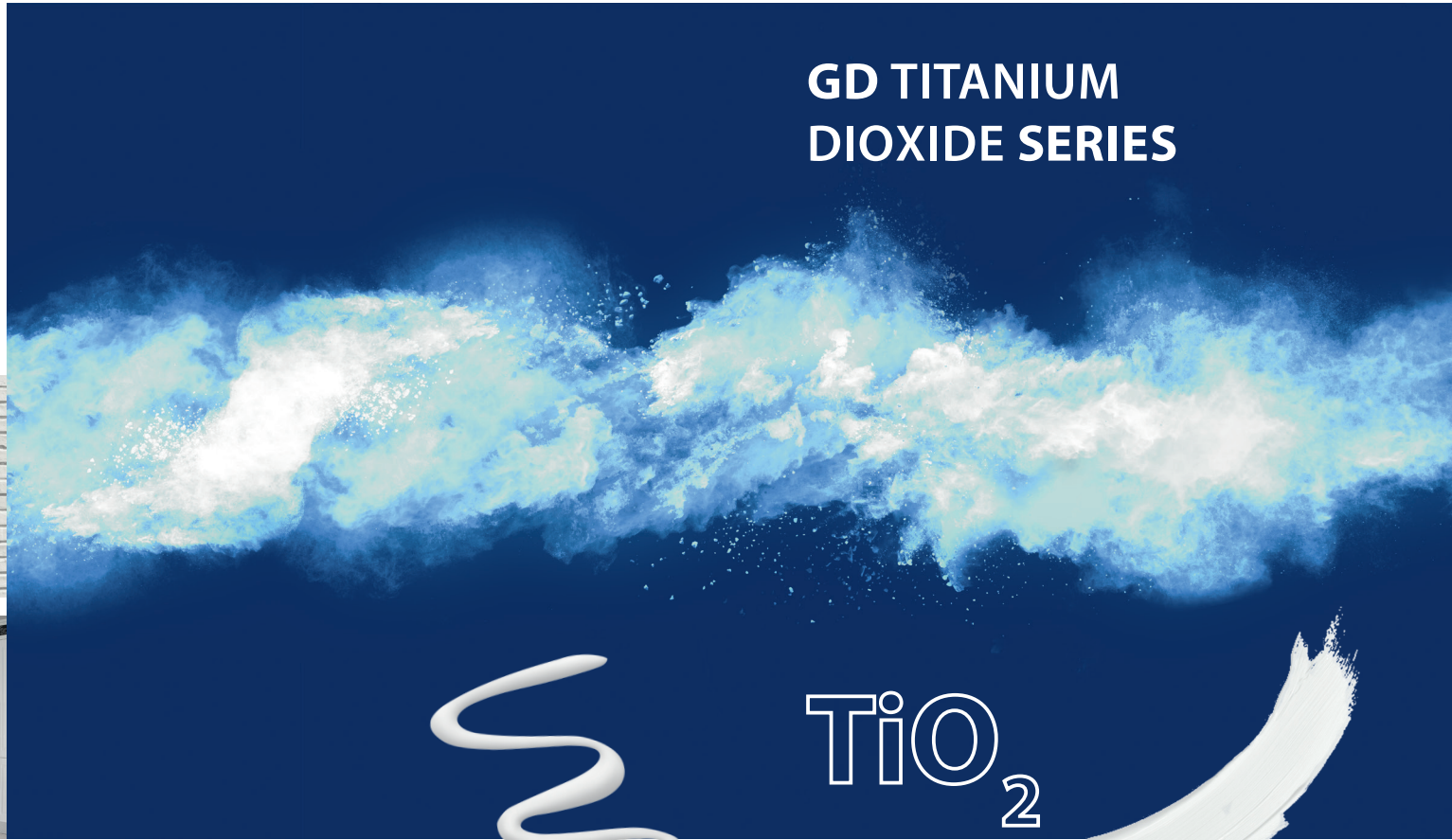


Titanium Dioxide (TiO₂)

Titanium dioxide, known as titanium white, is the most important and most widespread inorganic pigment. It is used in a wide range of products we use every day, giving them appropriate appearance: the color, opacity or texture. Its main advantages are an excellent scattering of visible light, UV absorption and safety.



GD TITANIUM DIOXIDE SERIES



Titanium dioxide distributed by Golden Dragon Group under trade name GD TiO₂ Series® fulfill the Industrial requirements. GD TiO₂® can also supply food grade type.

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Golden Dragon Group has been distributing TiO₂ since 25 years and is a pioneer in chemicals

GD Tio2 Series - R 803

Product Characteristics

R-803 is an excellent rutile titanium dioxide produced by a new technical sulphate process with professionally designed and controlled in hydrolysis and calcination process. The particle size of R-803 is more uniform under advanced and finely ground technical. R-803 owns lower oil absorption and better levelling property through the special surface treatment.

Tio2 content, %		≥96.5%
Inorganic surface treatment		Al₂O₃
Organic surface treatment		Yes (Hydrophobic, No TMP)
Color	L*	≥98
	b*	≤1.8
Tinting strength (Compare with STD sample) 2. % (Or use blue colorant to test tinting strength)		≥98 (≥105)
Carbon black undertone (CBU) 2		17~19
MFR₃, g/10min		≥15
FPV₄ (EN13900-5, HG/T 4768.5) , bar/g		≤0.5
Oil absorption, g/100g pigment		≤16
105°C volatile (When packing) , %		≤0.3
Density, g/cm₃		4.1
ISO 591 classification		R2

Suggestion from us

R-803 has a narrow particle size and low oil absorption ability which makes it pretty suitable for plastic extrusion process, such as polyolefin, PVC rolling film, casting film, ABS, PS, tube and other industries.

Packing

In 25kg paper bags or 500kg and 1000kg jumbo bags

Product Storage

Keep it from direct contact with moisture.

GD Tio2 Series - R 801

Product Characteristics

GD-801 is a rutile titanium dioxide pigment, specially designed for environment-friendly coating application. It has neutral undertone, excellent whiteness, super tinting strength, low oil absorption. Dense amorphous Si and Al treatment guarantee its super durability, outstanding dispersion, excellent opacity and high gloss.

Tio2 content (%)	≥ 92
<i>Relative tinting strength (%)</i>	≥ 100
Matter Soluble in water(%)	≤ 0.5
Oil absorption(g/100g)	≤ 20
Water extracted PH:	7.0~9.0
105°C loss 105°C (%)	≤ 0.5
Residue(<45 μm)	≤ 0.5
Electrical Resistivity (Ω m)	≥ 100
Inorganic Treatment	Al ₂ O ₃ -nH ₂ O, SiO ₂ -nH ₂ O
Organic Treatment	Polyol(Silicon and non-organic treated product at customer's request)
Specific Gravity (g/cm ³)	4
ISO 591-1:2000	R2
ASTM D476	V

Suggestion from us

GD-801 is recommended for use in paint and coating combination of low VOCs, high gloss and super durability, such as water-based coating, solvent-free liquid coating, powder coating, high solid coating, and also good choice for traditional coating and exterior plastic like PVC profile.

Packing

In 25kg paper bags or 500kg and 1000kg jumbo bags

Product Storage

Keep it from direct contact with moisture.