

Titanium dioxide &  
Precipitated  
Barium Sulphate

[chemionag.com](http://chemionag.com)











## Company Profile

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Chemion AG, founded in Switzerland to supply specialty chemical raw materials and aims to spread its activities to a wide world geography. The company keeps the deep know-how of a family that has been involved in the chemical industry since 1950s.

Chemion AG aims to make a difference in the field of chemical raw materials trading with its new and flexible company structure, experienced and proactive team, supply chain that caters to a broad spectrum of sectoral basis, laboratories, product control and quality of its technical support.

Chemion AG, offers its products and services in paint, construction chemicals, plastics, ink, paper, cosmetics and personal care sectors. The company also develops formulas for the specific needs of its clients.

Chemion AG, who stands out with its comprehensive knowledge of Chinese raw material market and keeps a know-how that is almost 70 year old in its foundations. Chemion AG offers the best quality product to ensure the most affordable price to its clients all over the world.

In the founding philosophy of Chemion AG, a global understanding of the Western trade model and the productivity of the East lies together. With this understanding, the company is launching a new era in the trade of chemical raw materials.

### CHEMION TITANIUM-DIOXIDE

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- **Paint & Coating Grades**

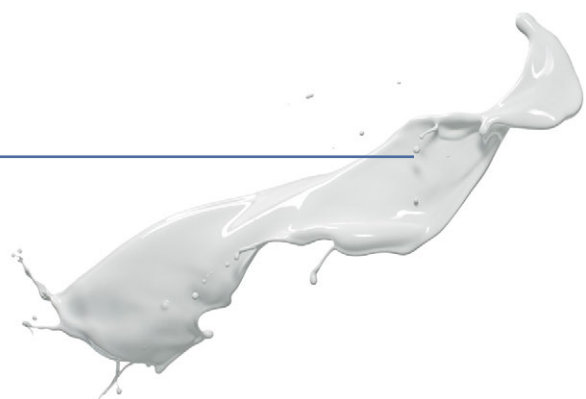
- Sulphate Process
- Chloride Process

- **Plastic Grades**

- Sulphate Process
- Chloride Process

### CHEMION BARIUM SULPHATE PRECIPITATED

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# CHEMION TITANIUM-DIOXIDE

## PAINT & COATING GRADES

### CHEMION STR-4

CHEMION STR-4 is a rutile and sulphate processed Titanium Dioxide. STR-4 surface's is coated with SiO<sub>2</sub> and Al<sub>2</sub>O<sub>3</sub> and organic treated. STR-4 offers you very good hiding performance and good tinting properties. It has superior indoor performance in decorative paints and suitable for exterior decorative paint and industrial coatings



	STR-4
TiO <sub>2</sub> Content, %	94
Process	Sulphate
Rutile Content, %	98
Inorganic Coating	Si. + Al.
Organic Coating	Yes
Oil Absorption, g/100g	23
pH	7,0-8,5
Average Particle, μm	0,23-0,28
Matter Volatile, 105°C %	0,5-0,6
Density, g/cm <sup>3</sup>	4



## CHEMION STR-6

CHEMION STR-6 is a rutile and sulphate processed Titanium Dioxide. STR-6 surface's is coated with ZrO<sub>2</sub> and Al<sub>2</sub>O<sub>3</sub> and organic threated. STR-6 offers you excellent durability and hiding with very brightness color. It has superior weathering performance recommended for all decorative paint and industrial coatings, included powder coating and paper mills.



	STR-6
TiO <sub>2</sub> Content, %	93
Process	Sulphate
Rutile Content, %	97,5
Inorganic Coating	Zr. + Al.
Organic Coating	Yes
Oil Absorption, g/100g	22
pH	6,5-8,0
Average Particle, μm	0,23-0,28
Matter Volatile, 105°C %	0,5-0,6
Density, g/cm <sup>3</sup>	4

## CHEMION CTR-8

CHEMION CTR-8 is a rutile and chloride processed Titanium Dioxide. CTR-8 surface's is coated with ZrO<sub>2</sub> and Al<sub>2</sub>O<sub>3</sub> and organic threated. CTR-8 provides you high gloss and excellent durability in coatings with excellent dispersion power. It has very good hiding performance and recommended for all decorative paint and industrial coatings powder coating and very high gloss high end automotive and aerospace coatings.



	CTR-8
TiO <sub>2</sub> Content, %	93
Process	Chloride
Rutile Content, %	98,5
Inorganic Coating	Zr. + Al.
Organic Coating	Yes
Oil Absorption, g/100g	17
pH	8,0-9,0
Average Particle, μm	0,23-0,25
Matter Volatile, 105°C %	0,3-0,4
Density, g/cm <sup>3</sup>	4,1

# CHEMION TITANIUM-DIOXIDE

## PLASTIC GRADES

### CHEMION STR-3

CHEMION STR-3 is a rutile and sulphate processed Titanium Dioxide. STR-3 surface's is coated with SiO<sub>2</sub> and Al<sub>2</sub>O<sub>3</sub> and organic threated. STR-3 has good hydrophobicity and good whiteness which is makes STR-3 to suitable for plastic applications such masterbatch and PVC pipes. STR-3 can provide good processing performance and low volatility.



	STR-3
TiO <sub>2</sub> Content, %	94
Process	Sulphate
Rutile Content, %	98
Inorganic Coating	Si. + Al.
Organic Coating	Yes
Oil Absorption, g/100g	23
pH	7,0-8,5
Average Particle, µm	0,23-0,28
Matter Volatile, 105°C %	0,5-0,6
Density, g/cm <sup>3</sup>	4





## CHEMION STR-5

CHEMION STR-5 is a rutile and sulphate processed Titanium Dioxide. STR-3 surface's is coated with ZrO<sub>2</sub> and Al<sub>2</sub>O<sub>3</sub> and organic threated. STR-5 has excellent hydrophobicity, good whiteness with very high hiding, STR-5 to recommended for plastic applications like masterbatch and PVC profile and pipes . STR-5 has excellent processing performance with very good durability performance.



	STR-5
TiO <sub>2</sub> Content, %	93
Process	Sulphate
Rutile Content, %	97,5
Inorganic Coating	Zr. + Al.
Organic Coating	Yes
Oil Absorption, g/100g	22
pH	6,5-8,0
Average Particle, µm	0,23-0,28
Matter Volatile, 105°C %	0,5-0,6
Density, g/cm <sup>3</sup>	4

## CHEMION CTR-7

CHEMION CTR-7 is a rutile and chloride processed Titanium Dioxide. CTR-8 surface's is coated with ZrO<sub>2</sub> and Al<sub>2</sub>O<sub>3</sub> and organic threated. CTR-7 has excellent high glossy with excellent hydrophobicity, CTR-7 to recommend for plastic applications like masterbatch and PVC profile which very whiteness and high glossily needed. CTR-7 has excellent processing performance with very good durability performance and excellent dispersibility.



	CTR-7
TiO <sub>2</sub> Content, %	93
Process	Chloride
Rutile Content, %	98,5
Inorganic Coating	Zr. + Al.
Organic Coating	Yes
Oil Absorption, g/100g	17
pH	8,0-9,0
Average Particle, µm	0,23-0,25
Matter Volatile, 105°C %	0,3-0,4
Density, g/cm <sup>3</sup>	4,1



## APPLICATION GUIDE

APPLICATIONS	STR-3	STR-5	CTR-7	STR-4	STR-6	CTR-8
Decorative Paint				★★	★★	★★
Industrial Coating				★	★★	★★
Powder Coating				★	★★	★★
Automotive Coating						★★
Wood Coating				★	★	★★
Can & Coil Coating					★	★
Road Marking Paint				★★	★★	★
Paper				★	★	★
Printing Ink				★		
Plastic PVC Pipe	★★	★★	★★			
Plastic PVC Profile	★	★★	★★			
Masterbatch	★	★★	★★			

★ Suitable

★★ Recommended





## CHEMION BARIUM SULPHATE PRECIPITATED

CHEMION PBS grade are synthetic barium sulfate produced from highly purified solutions in a defined growth process. Recommended as filler for high gloss end applications. They are resistant to acids and alkalis, insoluble in water and organic solvents.

Color of CHEMION PBS grade has low refractive index and narrow particle size range ensure glossy specifications. The low specific surface area and low abrasiveness provides perfect wetting and dispersing property.

CHEMION PBS grade can work as a TiO2 synergist and stabilization against flocculation of the color pigments. Suitable for high solid dispersions.



	PBS-12
BaSO4 Content, %	98.0
Average Particle, D50 μm	1.2
Whiteness, %	95
pH	7.0-9.0
Moisture, %	0.3
Iron (Fe), %	0.00083
Conductivity μS/cm	130
Oil Absorption, g/100 g	14
Matter Volatile, 105°C %	<0,2
Density, g/cm <sup>3</sup>	4.4







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