

Titanium Dioxide

**PRETIOX AV01SF**Edition  
1.0 / 2015**Description**

A universal, ultra-fine milled anatase titanium dioxide, with an organic surface treatment, possessing a high degree of whiteness, opacity and dispersibility.

**Application**

It is used in interior solvent-based and water-based paints. PRETIOX AV01SF is also suitable for undemanding plastic manufacturing applications: injection moulding, rolling, casting, the production of plates, polyolefin products, PVC etc. Ready made products have a limited life time and are intended both for interior or exterior use. It can also be used for the pigmentation of rubber mixtures, and can be used for direct injection into paper pulp, barrier paper, and paper coatings.

**Basic characteristics**

Grade	anatase pigment
Surface treatment	organic
TiO <sub>2</sub> content	99 %
Water absorption	20 g/100 g
Classification EN ISO 591	A 1
Classification ASTM D 476	I
Specific gravity	3.9 g/cm <sup>3</sup>
Bulk density	390 kg/m <sup>3</sup>
Tamped density	700 kg/m <sup>3</sup>
CAS No.	13463-67-7
EINECS No.	236-675-5
Colour index	77891 Pigment white 6
REACH Registration No.	01-2119489379-17-0013

**Safety**

Titanium dioxide PRETIOX is not classified as dangerous under the relevant EC Directives and is not dangerous according to transport regulations. PRETIOX AV01SF complies with the purity requirements on materials and articles intended to come into contact with food as well as with the EC Directives for safety of toys.

**Description** An universal, high quality micronized rutile titanium dioxide with an increased inorganic surface treatment with aluminum and silicon compounds, with Al-ion modification in the crystal structure.

**Application** Characterized by a combination of outstanding dispersion and optical parameters. It mixes readily using standard equipment and technology. It is recommended for both decorative paints and common industrial coating materials which require stable optical parameters and excellent resistance to climatic conditions, i.e. for the dispersion of water-soluble paints, emulsions, air drying synthetic enamel paints, heat curing, two-compound, and acid curing systems. This titanium dioxide is suitable also for those more demanding plastics manufacturing applications, and for products for interior or exterior use, e.g. injection moulding, rolling, casting, the production of plates and hollow objects, polyolefin products, PVC, etc. In the paper industry, it is used mainly for surface coatings for paper, or for barrier papers. In the building industry used for pigmentation of concrete architectural and concrete brut elements as well as for transparent bitumen colouring

<b>Basic characteristics</b>	Grade	rutile pigment
	Surface treatment	Al, Si
	TiO <sub>2</sub> content	95%
	Oil absorption	20 g/100 g
	Classification EN ISO 591	R 2
	Classification ASTM D476	II , IV
	Classification EN 12878	Pigment category B
	Specific gravity	4.0 g/cm <sup>3</sup>
	Bulk density	650 kg/m <sup>3</sup>
	Tamped density	1 000 kg/m <sup>3</sup>
	CAS No.	13463-67-7
	EINECS No.	236-675-5
	Colour index	77891 Pigment white 6
REACH Registration No.	01-2119489379-17-0013	

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This leaflet is a general guide to the properties and fields of potential application of PRETIOX grades. Information on application are given in good faith and does not constitute any guarantee. For specific grade selection please contact Technical Service.