PRECHEZA

Titanium Dioxide

PRETIOX RGU

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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

Basic characteristics

Grade	rutile pigment
Surface treatment	Al, Si
TiO_2 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^3
Bulk density	650 kg/m^3
Tamped density	1 000 kg/m^3
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 ADR/RID. PRETIOX RGU 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. Complies with the European Standard EN 12878 for application in building industry.

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