

Description

An universal, high quality micronized rutile titanium dioxide with an organic and increased inorganic surface treatment with aluminum and silicon compounds, with aluminum 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.

Basic characteristics

Grade	rutile pigment
Surface treatment	Al, Si, organic
TiO ₂ content	95%
Oil absorption	20 g/100 g
Classification EN ISO 591	R 2
Classification ASTM D 476	II , IV
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. 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.