

Description

A special micronized rutile grade, with an hydrophobic organic and medium inorganic surface treatment with aluminium and silicon compounds, with aluminum ion modification in the crystal structure.

Application

It possesses good optical properties, opacity, dispersibility, and an excellent degree of resistance to climatic conditions. This grade of titanium dioxide is suitable for demanding plastics manufacturing applications, and for products for interior and exterior use, e.g. injection moulding, rolling, casting, the production of window profiles, plates, hollow objects, polyolefin products, PVC, engineering plastics etc.

Basic characteristics

Grade	rutile pigment
Surface treatment	Al, Si, organic
TiO ₂ content	95%
DINP absorption	25 g/100 g
Classification EN ISO 591	R 2
Classification ASTM D476	II, IV
Specific gravity	4.0 g/cm ³
Bulk density	660 kg/m ³
Tamped density	1 100 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 RG18P 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.

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.