

Product Data Sheet

TIOXIDE® TR42

TIOXIDE® TR42 pigment is a hydrophobic rutile titanium dioxide pigment produced using the chloride process. It combines very good durability with excellent optical properties including high brightness and blue undertone.

Applications

TIOXIDE® TR42 pigment is extremely well suited for all plastic applications. Due to its high resistance to outdoor exposure it can be used for a wide range of exterior products such as:

- Window profiles and siding
- Tubes
- Silage and greenhouse films
- Garden furniture and WPC composites
- Membranes

Properties at a Glance

- Excellent weathering performance
- Good rheological (flow) properties and low dust generation
- Blue undertone
- High lightening power
- Very good dispersability and low abrasion

Typical Properties

TiO ₂ content [%]	93
Crystal form	Rutile
Surface treatment	Al, Si and organic
Specific gravity [g/cm ³]	4.1
ISO 591 classification	R2
CAS No.	13463-67-7

This data sheet includes the typical properties of this pigment. It is not a specification, although specifications are available.

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Safety, Health and Environment

As for all fine powders, the handling of titanium dioxide pigments can give rise to airborne dust. Good industrial hygiene practice should be observed so as to avoid the generation and subsequent inhalation of dust. For more information refer to our material safety data sheet.

Storage

The pigment should not be stored in outside areas exposed to the weather. All direct contact with moisture should be avoided. By storing the pigment correctly, its properties should not deteriorate with time. However to ensure optimum performance, it is recommended that the product is used on a first in, first out basis from receipt of shipment.

Food Contact

The subject is too wide to be adequately covered in a technical data sheet and customers should seek confirmation of compliance for each of the particular regulations they are interested in by contacting Venator.

Contact Details

Venator
Titanium House, Hanzard Drive
Wynyard Park, Stockton-on-Tees
TS22 5FD, UK

Tel: +44 (0)1740 608001

Email: info@venatorcorp.com

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