

Product Data Sheet

TIOXIDE® R-TC30

TIOXIDE® R-TC30 pigment is an alumina-silica surface treated hydrophobic rutile titanium dioxide pigment, and combines high durability with excellent optical properties. TIOXIDE® R-TC30 pigment is a rutile titanium dioxide pigment, that combines excellent color stability, low reactivity with high dispersibility and opacity. Its fine crystal and particle sizes position TIOXIDE® R-TC30 pigment in the family of blue-undertone plastics grades.

Applications

TIOXIDE® R-TC30 pigment is extremely well suited for all plastics. Due to its high resistance to outdoor exposure, it is used in particular in products for outdoor use. TIOXIDE® R-TC30 pigment permits production of:

- Tubes
- Silage and greenhouse films
- Garden furniture & WPC composites
- Synthetic turf
- Tarpaulins and roofings
- Membranes

Properties at a Glance

- High durability
- Very high brightness and low yellowness
- Good rheological (flow) properties and low dust generation
- Bluish undertone

Typical Properties

Titanium Dioxide classification	(DIN EN ISO 591-1) R2
TiO ₂ content [%]	Minimum 93
Inorganic surface treatment	(Compounds based on:) Al, Si
Organic surface treatment	Hydrophobic: polysiloxane
Color coordinate L* (PVC-P) ⁽¹⁾	Approx. 97.5
Color coordinate b* (PVC-P) ⁽¹⁾	Approx. 3.2
Rel. lightening power (PVC-P) ⁽¹⁾	Approx. 100
Bluish undertone Rz/Rx (PVC-P) ⁽¹⁾	Approx. 1.035
Fineness of grind [µm]	< 20
C.A.S No.	13463-67-7
Durability	Highly durable
Specific gravity [g/mL]	Approx. 4.1

(1) According to DIN 53775

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.

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.

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.

Packaging

Venator's titanium dioxide pigments are available in 25kg bags and a range of flexible intermediate bulk containers.

Contact Details

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