

Product Data Sheet

TIOXIDE® TR81

TIOXIDE® TR81 pigment is a super durable rutile titanium pigment providing excellent whiteness and gloss.

Typical Properties

TiO ₂ content [%]	93
Inorganic coating	Alumina, Zirconia
Organic treatment	Present
Crystal size [µm]	0.25
Specific gravity [g/cm ³]	4.1
Loss at 105°C ⁽¹⁾ [%]	0.6
Bulk density (tamped) ⁽²⁾ [g/cm ³]	1.1
Oil absorption ⁽³⁾ [cm ³ /g pigment]	17/100
Water demand ⁽⁴⁾ [cm ³ /g pigment]	23/100
Durability	Super durable
ISO 591 classification	R2
C.A.S No.	13463-67-7

(1) Measured within 48 hours of production. (2) Based on ISO 787/11. (3) Palette knife method, ISO 787/5. (4) In the presence of 0.4% sodium salt of complex polyphosphate calculated on the mass of pigment.

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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