

## Product Data Sheet

# TIOXIDE® RFDO

TIOXIDE® RFDO is alumina surface treated rutile TiO<sub>2</sub> pigment for demanding particle size sensitive applications such as printing inks and coatings with low film thickness.

### Applications

TIOXIDE® RFDO is recommended for high quality solvent, waterborne and radiation curing printing inks applied by various printing technologies, e.g. flexography, gravure, screen and inkjet:

- surface printing inks
- reverse and lamination printing inks
- metal deco inks
- various industrial inks

TIOXIDE® RFDO pigment is also suitable for high quality coatings.

### Properties at a Glance

- High opacity
- Excellent gloss
- Easy dispersion
- Low abrasion
- Bluish undertone

### Typical Properties

TiO <sub>2</sub> content [%]	96
Inorganic coating	Alumina
Organic treatment	Present
Crystal size [µm]	0.25
Specific gravity [g/cm <sup>3</sup> ]	4.1
Bulk density (tamped) <sup>(1)</sup> [g/cm <sup>3</sup> ]	1.1
Oil absorption <sup>(2)</sup> [g/100 g pigment]	20
Durability	Durable
ISO 591 classification	R2
C.A.S No.	13463-67-7

(1) Based on ISO 787/11. (2) Palette knife method, ISO 787/5.  
This data sheet includes the typical properties of this pigment. It is not a specification.

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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 powder pigments are available in 25kg bags and a range of flexible intermediate bulk containers.

### Contact Details

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