VENATOR

Product Data Sheet

TIOXIDE® TR28

TIOXIDE® TR28 pigment is an alumina surface-treated hydrophobic titanium dioxide pigment offering rapid and excellent dispersibility in a large range of polymers in dry processing as well as in liquid plasticizers. TIOXIDE® TR28 pigment fine crystal and particle sizes position it in the group of blue undertone plastics grades. It is designed for exceptional dispersion and throughput and with very low volatiles for high temperature processing.

Applications

TIOXIDE® TR28 pigment is particularly recommended for use in systems in which fineness of pigment dispersion in the polymer combined with low volatiles is the top priority:

- Thin films
- Co-extruded multi-layer films
- Single and multi-layer bottles
- Masterbatches
- Credit and check cards
- Blister packaging

Properties at a Glance

- Good dispersion and throughput in masterbatch
- Effectively no lacing, even at high loadings and temperatures
- High bluish white tinting
- Good powder (flow) properties and low dust generation, reducing flow problems and dust production in feed systems
- Readily wettable in a large range of polymer systems

Typical Properties

Titanium Dioxide classification	(DIN EN ISO 591-1) R1
TiO_2 content [%]	Minimum 98
Inorganic surface treatment	(Compounds based on:) Al
Organic surface treatment	Hydrophobic: propriety
Color coordinate L* (PVC-P)(1)	Approx. 97
Color coordinate b* (PVC-P)(1)	Approx. 3.6
Rel. lightening power (PVC-P)(1)	Approx. 105
Bluish undertone Rz/Rx (PVC-P)(1)	Approx. 1.045
Fineness of grind [µm]	< 20
C.A.S No.	13463-67-7
Durability	Moderately durable
Specific gravity [g/mL]	Approx. 4.1
Loss at 290°C [%]	Max. 0.4

(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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