

# BILLIONS® TR52

BILLIONS® TR52 pigment is a rutile titanium dioxide pigment produced by the sulfate process, and is specifically designed for the printing ink industry.

BILLIONS® TR52 pigment is suitable for a range of printing ink applications and provides exceptional performance across a wide spectrum of properties. Its very high gloss and opacity, combined with excellent dispersion make it an ideal choice for use in printing ink applications. These performance benefits also make it highly suitable for certain coatings applications.

#### Recommended applications:

- Printing inks
- Can coatings
- High gloss interior architectural coatings

#### Key features:

- Very high gloss
- High opacity
- Excellent dispersion
- Low abrasivity

## CONTACT

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## TYPICAL PROPERTIES

TiO <sub>2</sub> content	95%
Inorganic coating	Alumina
Organic treatment	Present
Crystal size	0.26µm
Surface area	13m <sup>2</sup> /g
Specific gravity	4.1g/cm <sup>3</sup>
Loss at 105°C <sup>(1)</sup>	0.5%
Bulk density (tamped) <sup>(2)</sup>	1.2g/cm <sup>3</sup>
Oil absorption <sup>(3)</sup>	16cm <sup>3</sup> /100g pigment
Water demand <sup>(4)</sup>	23cm <sup>3</sup> /100g pigment
Durability	Moderate
ISO 591 classification	R2
C.A.S. No.	13463-67-7
Colour index	Pigment White 6 (77891)

(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.

### Safety

Good industrial hygiene practice should be used to avoid the generation of dust. Please refer to the Material Safety Data Sheet for more information on the handling of this product.

### Storage

This product should not be stored outside or exposed to weather. All direct contact with moisture should be avoided. 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

Customers should seek confirmation of compliance with specific regulations by contacting Lomon Billions.

### Packaging

Lomon Billions titanium dioxide pigments are available in 25kg compound paper bags and a range of flexible intermediate bulk containers.



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**Lomon Billions**