

BILLIONS™ TR52

Specialist titanium dioxide pigment for high quality inks



龙佰集团
LB GROUP

BILLIONS™ TR52

Specialist pigment for high quality white inks

BILLIONS™ TR52 titanium dioxide pigment is a rutile pigment specifically designed for the printing ink industry. An optimized crystal size combined with carefully selected mineral and organic surface treatments make it the ideal choice for the pigmentation of white inks.

- solvent and water based
- surface and reverse printing
- can coating

APPLICATIONS



✓ Flexible packaging

✓ Metal

✓ Paper & card

Exceptional performance across a range of properties

BILLIONS™ TR52 pigment delivers the best performance in all of the critical areas, when compared with several key competitive products

Superb gloss

Delivering high gloss in ink formulations with no compromise in opacity, proving it is possible to combine the highest gloss with high opacity.

Excellent opacity

Optimized to consistently deliver a high level of performance across a range of ink formulations.

Outstanding dispersion

Providing superior product quality as well as process efficiencies – enabling our customers to stand out in today's competitive market and also realize cost savings.

Low abrasivity

Providing low abrasivity enabling process efficiency due to less wear on equipment.

BILLIONS™ TR52

The optimum balance of gloss and opacity

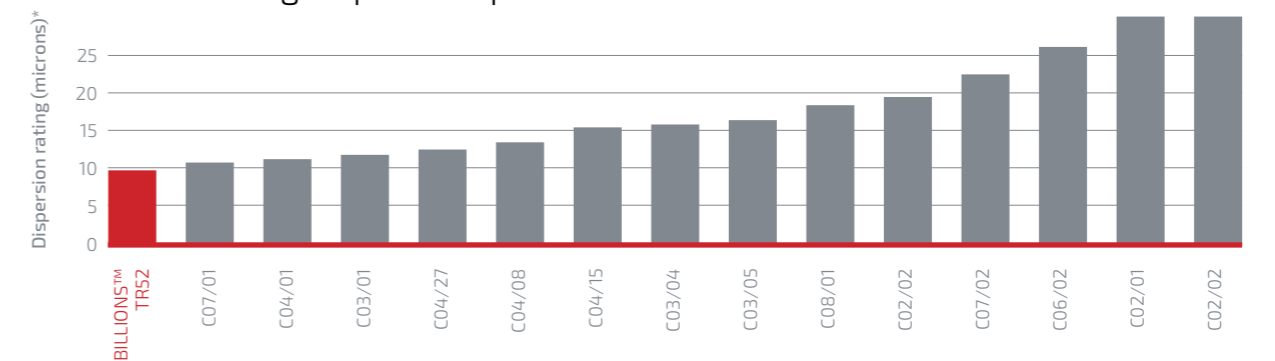


Opacity over black substrate at constant viscosity.

BILLIONS™ TR52 pigment is positioned in the top right hand corner of this graph. It shows that it has best balance of gloss & opacity properties.

BILLIONS™ TR52 pigment gives increased flexibility in production due to high performance in both high gloss and opacity critical applications.

Outstanding dispersion qualities



*Measured by instrumental assessment technique

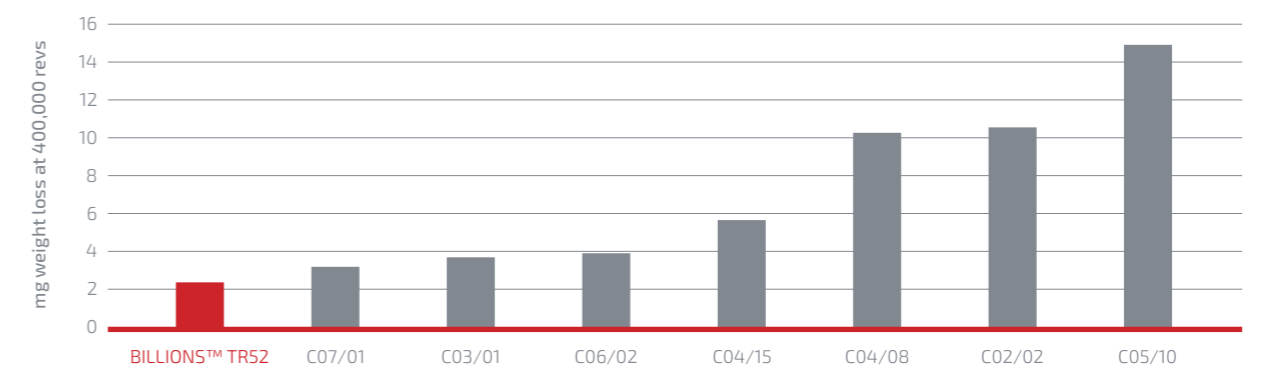
BILLIONS™ TR52 pigment has outstanding dispersion qualities compared to a wide range of competitive products.

This delivers a number of benefits including:

- More efficient production
- Increased speed of TiO₂ dispersion
- Better quality final product

Designed for low abrasivity

BILLIONS™ TR52 pigment has the lowest weight loss (i.e. it is the least abrasive) when compared with a range of competitive products.



As well as the benefits for ink producers, BILLIONS™ TR52 pigment also provides benefits to printers and converters.

The low abrasivity of BILLIONS™ TR52 pigment means less wear and tear on printing equipment - meaning printing efficiency is improved.

TYPICAL PROPERTIES		
PARAMETER	VALUE	TEST METHOD
TiO ₂ content	95%	XRF
Inorganic coating	Alumina	-
Organic treatment	Present	-
Moisture when packed*	0.3% max	ISO 787-2
Bulk density (tamped)	1.3g/cm ³	ISO 787-11
Oil absorption	14g/100g	ISO 787-5
pH	7.0	ISO 787-9
Specific gravity	4.1g/cm ³	ISO 787-10
ISO 591-1 classification	R2	-
CAS number	13463-67-7	-
Color index	Pigment White 6	-

*Measured within 48 hours of production

SUMMARY OF KEY FEATURES
Very high gloss
High opacity
Excellent dispersion
Low abrasivity

Safety

Good industrial hygiene practice should be used, generation of dust should be avoided. Please refer to the Safety Data Sheet for more information about how this product should be handled.

Storage

This product should not be stored outside or exposed to temperature extremes or to moisture. 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 LB Group.

Packaging

LB Group titanium dioxide pigments are available in 25kg bags and a range of flexible intermediate bulk containers.

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