BILLIONS™ LR-108

BILLIONS™ LR-108 pigment is an alumina treated rutile titanium dioxide pigment made by the sulfate process. It is specially designed for masterbatch and compounding applications. BILLIONS™ LR-108 pigment disperses easily in polyolefins, with minimal effect on melt flow index, so that even masterbatch with high TiO_2 concentration can produce film with high opacity and whiteness.

BILLIONS™ LR-108 pigment is recommended for plastics applications that require high thermal stability. It is designed with a hydrophobic surface that acts as a barrier to help prevent the pigment from absorbing moisture from the air.

RECOMMENDED APPLICATIONS

- Masterbatch & compounds
- Polyolefin & PVC film
- Plastics with high thermal stability

KEY FEATURES

- High heat stability
- High opacity and whiteness
- Low moisture absorption
- Low oil absorption
- Low reactivity with antioxidants
- Excellent compatibility with plastic resins
- Rapid & complete dispersion

TYPICAL PROPERTIES

PARAMETER	VALUE	TEST METHOD
TiO_2 content	98%	XRF
Inorganic coating	Alumina	-
Organic treatment	Present	-
Moisture when packed*	0.4% max	ISO 787-2
Bulk density (tamped)	1.1g/cm³	ISO 787-11
Oil absorption	15g/100g	ISO 787-5
Specific gravity	4.1g/cm³	ISO 787-10
ISO 591 classification	R1	-
CAS number	13463-67-7	-
Color index	Pigment White 6	-

*Measured within 48 hours of production

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.

Food Contact
Customers should seek confirmation of compliance with specific regulations by contacting LB Group.

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.

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

APAM CO
SUSTAINABLE BUSINESSES
www.apamehr.com
info@apamehr.com
+98 21 22531747
+98 910 6002286
+98 910 6088442

The data included in the typical properties is not a specification. The information in this data sheet is a general guide to the properties of the product described in it. Nothing in this data sheet is to be construed as a warranty, express or otherwise. In all cases, it is the responsibility of the user to determine the applicability of the information and recommendations and the suitability of the products described for its own particular purpose. BILLIONS™ and any associated logos are trademarks or copyrights of LB Group Co., Ltd. The LB Group logo is a trademark of LB Group., Ltd.

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