

LOMON® LR-108

LOMON® LR-108 pigment is an alumina treated rutile titanium dioxide pigment made by the sulfate process. It is specially designed and surface-treated for applications in plastics and masterbatch industries.

LOMON® LR-108 pigment provides excellent melting properties and fluidity in high pigmentation level masterbatches and high opacity and whiteness in plastic films. It is recommended for applications in plastics with high thermal stability. Due to its hydrophobic surface treatment, it has a low moisture uptake.

Recommended applications:

- Masterbatches
- Plastic film
- Plastics with high thermal stability

Key features:

- High heat stability
- High opacity and whiteness
- Low moisture absorption
- Low oil absorption
- Low reaction activity with antioxidants
- Excellent compatibility with plastic resins
- Easy dispersion in plastic processing

TYPICAL PROPERTIES

PARAMETER	VALUE	TEST METHOD
Crystal structure	Rutile	XRD*
ISO 591 classification	R2	--
ASTM D476 classification	II	--
Chemical abstracts number (CAS)	13463-67-7	--
pH	7.0 - 9.0	ISO 787-9
TiO ₂ content	96.5 - 98.0%	ISO 591-1
Density	4.1g/cm ³	ISO 787-10
Average particle size	0.22µm	SEM**
Surface treatment	Alumina; organic	--

* X-ray diffraction

**Scanning electron microscopic image evaluation, typical value

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.