

Product Data Sheet

BLANC FIXE micro[®] PLUS

BLANC FIXE micro[®] PLUS synthetic barium sulfate is largely free of impurities (e.g. quartz) with specially adjusted surface and is produced from highly purified solutions in a defined growth process. The product is resistant to acids and alkalis, insoluble in water and organic solvents.

It is color neutral due to low refractive index (1.64 of BaSO₄), has extremely narrow particle size range for high gloss specifications and high brilliance in colored systems. The low specific surface area (<5 m²/g) and low abrasiveness (due to low Mohs hardness of ca. 3) make BLANC FIXE micro[®] PLUS synthetic barium sulfate easy to wet and disperse.

The Benefits of the Product Include:

- Acting as spacers for TiO₂ and color pigments and providing stabilization against flocculation, it is possible to achieve higher solid contents in dispersions
- Light fastness and weather resistant
- Assisting gloss adjustment, rheology control and enhancing mechanical properties

Typical Properties

BaSO ₄ content [%]	Ca. 98
Inorganic coating	Present
Organic treatment	Present
Brightness L* (powder)	Ca. 99
Particle size d50 (sedigraph) [μm]	Ca. 0.7
45 μm sieve residue [%]	≤0.004
pH	Ca. 9
Electrical conductivity [μS/cm]	<200
Specific gravity [g/cm ³]	Ca. 4.4
Loss at 105°C [%]	<0.2
C.A.S No.	7727-43-7

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 synthetic barium sulfate 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.

Storage

Keep the product unstacked in dry and closed rooms at normal temperature and air humidity. To achieve best possible results, we recommend storage under the conditions stated above and use within 12 months from delivery.

Contact Details

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