

Product Data Sheet

SACHTOPERSE® HP

SACHTOPERSE® HP is a pure synthetic barium sulfate with an average particle size of ca. 0.2µm. The products must be uniformly dispersed to achieve their maximum efficiency and a high shear force bead milling of dispersions is recommended.

SACHTOPERSE® HP is chemically inert and will remain transparent even at high concentrations due to low refractive index (1.64 of BaSO₄) and ultrafine particle size.

The Benefits of the Product Include:

- Acting as spacers for color pigments and providing stabilization against flocculation
- Reducing Rub-Out effects, improving gloss and distinctiveness of image (DOI)
- Assisting rheology control (better edge coverage) and reducing sagging

Typical Properties

| | |
|---|-----------|
| BaSO ₄ content [%] | Ca. 99 |
| Brightness L* (powder) | Ca. 99 |
| Particle size d50 (sedigraph) [µm] | Ca. 0.2 |
| pH | Ca. 7 |
| Electrical conductivity [µS/cm] | Ca. 200 |
| Loss at 105°C [%] | < 0.5 |
| Specific surface area [m ² /g] | Ca. 13 |
| 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 titanium dioxide pigments 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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