

Product Information

BLANC FIXE M, K3, K4

Translucence

The product

The BLANC FIXE M, K3 and K4 product types are synthetic barium sulfates obtained from highly purified solutions by means of a growth process.

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.

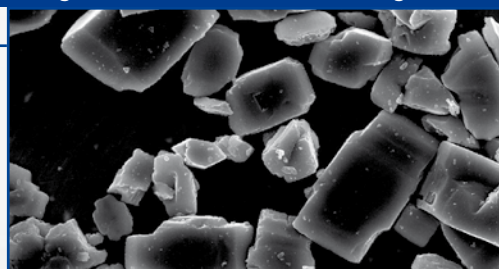
Typical properties

- ▶ Resistant to acids and alkalis
- ▶ An inert product, lightfast and weather-resistant
- ▶ Defined particle-size and geometry, plus a narrow particle-size range for maximum translucency
- ▶ Colour-neutral thanks to low refractive index
- ▶ High purity and lightness thanks to chemical production process

Applications

As a scatter additive in semi-opaque and translucent applications such as lampshades and illuminated advertising ("neon"). BLANC FIXE M, K3 and K4 are suitable for use in all transparent plastics (e.g. PC, PMMA, PET, etc.). Composites containing BLANC FIXE M, K3 and/or K4 are notable for their high translucence and lower absorption and diffuse reflectance in both the UV, visual and IR ranges.

SEM image of BLANC FIXE K3, 2000 x magnification



Technical data

BLANC FIXE			M	K3	K4
▶ Volatiles (105°C) [%]	SC 211	approx.	0.2	0.2	0.2
▶ pH	SC 201	approx.	7	6	6
▶ Median value d_{50} (Sed.) [μm]	SC 216	approx.	5	8	10
▶ Colorimetric index L^* (powder)	A 400-14	approx.	98	98	97

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