

BLANC FINE™ BSP series precipitated barium sulfate**BSP - L**

BLANC FINE™ BSP is a chemically synthesized barium sulfate product (BLANC FIXE) refined through special manufacturing processes with highly pure barium salt and sodium sulfate as its raw materials. Its grain sizes are under strict control in the course of reactions and synthesis and content of impurities is minimized. It features low specific weight, gentle and stable nature, narrow distribution of grain sizes, extremely good light fastness, weathering resistance and other outstanding chemical properties.

The uniquely spherical or near spherical ($D_{97} < 1.2\mu\text{m}$) ultra-fine barium sulfate crystal grains of **BLANC FINE™** BSP are provided with big specific surface areas, thereby effectively increasing or magnifying the light reflecting area in coating. Therefore it is widely applied in the formula system of high-gloss products.

By using its own (15g/100g) low oil absorption, **BLANC FINE™** BSP may be fully mixed with other resin components, i.e. the same equivalent weight of resin may carry more **BLANC FINE™** BSP. In particular, it gives a vivid color, repeatable tint and perfect surface gloss when compounded up with pigment in a formula. Its low consumption of base material guarantees the high rheological property in system and good mechanical property of finished products. Even in a formula system with low resin content, a product appearance with optimal evenness can be formed, thereby saving expensive resin by a part. This embodies the cost effectiveness of using **BLANC FINE™** BSP and greatly facilitates your advantages of costs. On the contrary, when barium sulfate has a relatively high oil-absorbing index and there is no adequate resin base material to coat and bond pigment particles, the resin base material fails to moisten all pigment particles so that they loosely distribute in coating, resulting in deterioration of coating quality.

BLANC FINE™ BSP may be used for thermoplastics to improve the rigidity, hardness and abrasion resistance of plastic products.

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Main contents (DIN.EN.ISO.3262, PT.2)	>98.00%
Mean grain size D_{97} (SC. method)	3.00 μm
Oil absorption (DIN.EN.ISO.787, Pt.10)	15g/100g
Dry brightness (ISO.7724)	>98
PH value (DIN.EN.ISO.787, Pt.9)	7-9
Volatility at 105°C (DIN.EN.ISO.787, Pt.2)	<0.15

