

BLANC FINE™ BSM Barium Sulphate Modified

BSM - MB

The diameter D_{97} of the ultra-fine grains in BSM is less than 0.3um and most of its grains are submicro-class nanometer material between 0.1-0.8um. Additionally, each grain is provided with strong surface energy after surface treatment and make full Brownian motions with the pigment particles in formulas. As a result, it has very good pigment dispersibility and strong coupling force at the same time. Its exclusive 0.3um grain size on average is equivalent to titanium dioxide crystal particles (mean grain size: 0.3um), thereby offering a perfect grain size ratio. Each BSM crystal grain can retain 4 to 6 pigment particles around it using its adequate surface area, effectively preventing the flocculation resulting from that the pigment components in formula fail to not be fully dispersed. That is, BSM efficiently offers space intervals for titanium dioxide and other pigment crystal grains using the high dispersibility and surface energy of BSM and distributed each pigment grain in each corner of the product as their carrier. This forces the efficacy of each pigment grain is fully released to form more scattering centers, thereby obtaining more scattered light source and finally achieving the products with more exquisite and vivid surface effect.

BSM's dry brightness higher than 96 and super high purity as high as 99% determines its premium chemical stability as well as acid and high temperature resistance. The Moh's hardness 3 fully protects your machines from heavy wear resulting from high filler level of BSM in formulas. In addition, BSM's exclusive ray shielding function effectively holds up the penetration of hazardous rays. The extremely low water content (<0.1g/1000g) prevents the pin holes and fog shadow caused by the dampness of filler.

项 目	BLANC FINE™ BSM - MB
Main contents (DIN.EN.ISO.3262, PT.2)	98.00%
Mean grain size D_{97} (SC. method)	0.50um
Oil absorption (DIN.EN.ISO.787, Pt.10)	18g/100g
Dry brightness (ISO.7724)	>97
PH value (DIN.EN.ISO.787, Pt.9)	7-9
Volatility at 105°C (DIN.EN.ISO.787, Pt.2)	0.10g/100g
Conductivity S/cm (DIN.EN.ISO.787, Pt.14)	0.3

