

BLANC FINE™ BSM Barium Sulphate Modified

BSM - MC

Another important application of BSM is its role as a pigment dispersant in color masterbatch. It is well-known that most pigments for plastic are expensive. Hence how to improve the covering power of pigment is a concern of color masterbatch manufacturers. The wave length, color and amount of the light absorbed, reflected and scattered by varied pigments are different. The area of pigment that can be used for scattered light determines the service efficiency of color. Almost all pigments have conglomeration or flocculation in applications more or less and the service efficiency of pigment will be attenuated due to the reduction in the scattering area. Research and practice show that BSM may facilitate the dispersion of pigment during the manufacture of color masterbatch, and the addition of BSM does affect the color tone of the pigment in products thanks to the fact that the light refraction factor of BSM is similar to common polymers. Repeated applications and practices indicate that pigment consumption in color masterbatch grains may be reduced by 10%. In addition, the X-ray non-transparency of BSM allows it to be used for the manufacture of the raw materials of toys for children (easy to identify after accidental swallowing). BSM is approved for the product subject to contacting food due to its nontoxic property. BSM conforms to the Europe's purity requirement and U.S' codes of food and drug administration. LD5 (Mouse, oral administration) >15,000mg/kg; dust limit=6mg/m³.

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 - MC
Main contents (DIN.EN.ISO.3262, PT.2)	98.00%
Mean grain size D ₉₇ (SC. method)	0.70um
Oil absorption (DIN.EN.ISO.787, Pt.10)	20g/100g
Dry brightness (ISO.7724)	>95
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

