

Technical Data Sheet



GBsuper pig. Silver

APPEARANCE: Fine Powder with Silver Luster

SOLUBILITY IN WATER:	Not soluble
CHEMICAL RESISTANCE:	Stable in dilute Acid & alkali
PARTICLE SIZE:	10-60µm
LOSS ON DRYING(105°C,2 hours)	≤0.5%
pH (10% aqueous suspension):	6-11

INFORMATION FOR REFERENCE ONLY:

OIL ABSORPTION (g/100g)	90±20
HEAT RESISTANCE	600°C
BULK DENSITY (g/cm ³)	0.20-0.40

We confirm that GBsuper pig. Silver Pigment is free from the following chemicals:
Free from Polycyclic Aromatic Hydrocarbons (PAH) ,& Free from Polychlorobiphenyls (PCB)

Free from Copper ,aluminum ,Tin & Nickel خالي ايضا من النحاس والالومنيوم والقصدير والنيكل

& is non-toxic, odorless and tasteless, non-flammable, non-conductive and high chemical resistance

It can be used for all applications,&

To get satisfied results in actual use, we strongly advise customer to test the products in the specific intended application under conditions expected during use.

& is non-toxic, odorless and tasteless, non-flammable, non-conductive and high chemical resistance

It can be used for all applications,&

To get satisfied results in actual use, we strongly advise customer to test the products in the specific intended application under conditions expected during use.



ISO 9001



ISO 14001



OHSAS 18001



Cairo head office: 9,square 1163,El Shaheed Fouad Thabet St.,El Wozara square Sheraton Heliopolis.Cairo- Egypt

Tel: +20222683983, +201228099699 Fax: +202 2268466 E-mail: logistics@gb-chem.net , gbchem@gb-chem.net

Alex. Office :6, Talat Harab St.,Down Town Alexandria, Egypt

Tel.:+203 4819240, +201221148181 Fax:+203 4817565 E-mail: logistics@gb-chem.net , gbchemalex@gb-chem.net

Application in Printing Inks

GBsuper pig. Silver Luster Pigments are suitable to be used in almost all of the printing inks, it is easier to be dispersed into different liquid system, such as water based, solvent based, or oil based. Meanwhile, it is suitable to be used in many kinds of printing methods, such as screen printing, gravure printing, offset printing, and flexographic printing, etc. **GBsuper pig. Silver** Luster Pigments is the great way to make printed matters beautiful, attractive, and matching the fashion trend. They are widely used in printing of paper, films, cardboards, textiles, wallpapers, floor covering and many other printing stocks. There are many color effect available, such as silver, golden, rainbow, metal effects, etc.

GBsuper pig. Silver Luster Pigments adding quantity in printing inks (for reference only)

The adding quantity of **GBsuper pig. Gold** Luster Pigments depends on the printing process and presswork, and the recommended addition ratio for all types of printing system are as follows, suggest to make trial according to the designed effects: Printing Ink Concentration (%)

Screen ink	8-15	%
Gravure ink	15-25	%
Off-set ink	30	%
Flexographic ink	15-25	%

Suggestion and Attention Requested:

- GBsuper pig. Silver** Luster Pigments, please min. particle size range. Which affects the final effect of smooth
- GBsuper pig. Silver** luster pigments could achieve the best effect when the other ingredients of the ink have good transparency.
- The wetting and dispersing of **GBsuper pig. Silver** Luster Pigments: Generally speaking, **GBsuper pig. Silver** Luster Pigments is easily to be wetted and dispersed. It is suggest to pre-wet the pigment before putting them into the other ingredients of the ink, then the dispersing effect will be better.
- Please avoid grinding and hard shearing:
The magic color and luster effects of **GBsuper pig. Silver** Luster Pigments are sourced from their flake structure. Please try the best to prove pigment flakes from broken, therefore avoid the reducing of color effect. When there is other ink ingredient needed to be ground smaller, please grind them ready before adding the **GBsuper pig. Silver** Luster Pigments. **GBsuper pig. Silver** Pigments are recommended to be added at the last step in order to shorten the mixing time, and protect the flake structure to the maximum extent.
- Achieve good effect of printings:
Owing to the flat flake structure of **GBsuper pig. Silver** Luster Pigments, the good parallel array of effect pigments on the printing stock can achieve the best effect. It is reminding to consider this feature when developing the ink formula. All the above info is the experience from our customers, and just for reference. The end user should make the test and trial before bulk using.



ISO 9001



ISO 14001



OHSAS 18001



Cairo head office: 9, square 1163, El Shaheed Fouad Thabet St., El Wozara square Sheraton Heliopolis. Cairo- Egypt

Tel: +20222683983, +201228099699 Fax: +202 2268466 E-mail: logistics@gb-chem.net, gbchem@gb-chem.net

Alex. Office :6, Talat Harab St., Down Town Alexandria, Egypt

Tel.: +203 4819240, +201221148181 Fax: +203 4817565 E-mail: logistics@gb-chem.net, gbchemalex@gb-chem.net