

Technical Data Sheet

GF(S)

General Description

- Daylight and ultra-violet responsive fluorescent soluble toner for solvent based formulations.
- A dyed/pigmented thermoplastic glycol-uril-sulphonamide- paraformaldehyde resin.

Applications

- Solvent based inks for gravure, flexo and inkjet.
- Solvent based paints and powder coatings.

Product Features

- GF(S) soluble toners are transparent and should be printed on white background or over a white ink to achieve the maximum fluorescent brightness.
- GFS-10 and GFS-18 are recommended if extra color strength is desired or if there is a need to reduce the amount of toner in the system.
- GFS-10 & GFS-18 can be blended to achieve intermediate fluorescent colors.
- GF-09 (UV Blue) is colorless in normal daylight, but glows blue under UV exposure, making it especially suitable as a tracer.
- Compatible with most resins used in solvent based flexo and gravure ink formulations, like nitrocellulose(esters), acrylics and polyamides.
- No particles in finished ink due to completely solubility.

Standard Color

Product Name	Description
GF-13	Orange
GF-14	Orange Red
GF-15	Red
GF-17	Pink
GF-18	Magenta
High Color Strength	
GFS-10	Chartreuse
GFS-18	Magenta

Packaging:

1 box = 20kg
MOQ = 20kg

Storage & shelf life:

120 months when kept in closed original packaging in a dry place at ambient temperature.

Safety & regulatory:

Safety Data Sheet available on request.

Physical properties	
Delivery form	Granular powder
Particle size (Laser diffraction)	<150.0 µm
Melting point	80 – 115 °C
Specific gravity	1.38 g/ml
Bulking value	0.40 g/ml

Test methods and Certificate of Analysis (COA) available on request.

Processing

Solvent resistance	Completely soluble in a combination of strong polar solvents such as alcohols and esters.
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GF(S) toners are designed for use at industrial sites as described in EU COMMISSION REGULATION 2023/2055 of 25 September 2023.

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