

# Technical Data Sheet

## GF-09

### General Description

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

### Applications

- UV Blue tracer for solvent based inks for gravure, flexo and inkjet.
- UV Blue tracer for solvent based paints and powder coatings.

### Product Features

- GF-09 is a transparent solvent soluble toner and should be printed on a white background or over a white ink to achieve the maximum fluorescent brightness.
- GF-09 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-09        | UV Blue     |

#### 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. |
|--------------------|---|

Adding GF-09 (UV Blue) will purify the color and will increase the UV-response.

GF-09 toner is designed for use at industrial sites as described in EU COMMISSION REGULATION 2023/2055 of 25 September 2023.

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