

Technical Data Sheet

GXT

General Description

- GXT series is the world's premium range of formaldehyde free daylight fluorescent pigments exhibiting increased color strength, superior reflection, good solvent resistance and significantly improved lightfastness when compared to traditional fluorescent pigments.

Applications

- Applications for which improved light stability, high color strength and good solvent resistance are critical.
- Recommended for use in water or solvent based paints, textile inks, crayons, aerosols, screen printing inks and PVC plastisol.

Product Features

- Free of formaldehyde.
- Increased color strength whilst keeping light reflection high.
- Good solvent resistance.
- Best known light stability of fluorescent pigments.
- Stir-in pigments. No grinding required.
- Does not contain Volatile Organic Compounds, or mineral oils.

Physical properties

Delivery form	Powder
Average particle size (Laser diffraction)	± 3.5 µm
Hegman grind	5.5 – 6.5
Melting point	Thermoplastic

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

Processing

Heat stability and processing temperature considerations.	To minimize the influence of heat on the fluorescent properties, the temperature impact needs to be as low as possible. Extra ventilation of the production environment is always recommended. Processing for longer periods and at elevated temperatures may need additional health & safety precautions.
Solvent resistance.	Excellent resistance in MEK, Ethyl acetate, Ethanol, Isopropyl alcohol/water 95/5, Water/isopropyl alcohol 90/10.
GXT series pigments are insoluble and need to be dispersed (easily stirred in).	

GXT pigments are designed for use at industrial sites as described in EU COMMISSION REGULATION 2023/2055 of 25 September 2023.

Disclaimer: Our technical advice, information, statements, whether given verbally, in writing, or in the form of test results, is offered for your guidance without warranty. No warranty for fitness for a particular purpose is made. This also applies where protective rights of third parties are involved. It does not release the user from obligation to test the suitability of the products and formulas for the intended process and applications. Our guarantee is limited to the consistent quality of our product.

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Standard Colors

Product Name	Description
GXT-10	Chartreuse
GXT-11	Green
GXT-12	Orange Yellow
GXT-13	Orange
GXT-14	Orange Red
GXT-15	Red
GXT-17	Pink
GXT-18	Magenta
GXT-19	Blue
GXT-88	Purple
GXT-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.