



GTD high-performance concentrated liquid dyes for plastic material

GTD high-performance liquid dyes are suitable for the coloration of plastic items or laser sintering pieces which require good all-round fastness properties.

They meet a wide spectrum of requirements and find their use in demanding fields of application such as automobile, aeronautics, eyewear, prosthesis,...



Material

Polyamide PA11, PA12, filled polyamide, acrylic,...

Advantages

To the already known advantages of the **GTC universal liquid dyes** (technical bulletin n° 20 CO 12), **GTD high-performance liquid dyes** provide outstanding levels of fastness to rubbing, washing, bleaching, perspiration and light.

Packaging

Plastic jerrycan of 1 - 5 - 10 liters.

Storage

1 year in tightly closed packaging under usual storage conditions.

INSTRUCTIONS FOR USE

Build up a dyeing bath by diluting the **GTD high-performance liquid dyes** with water. Heat it up.

1 volume **GTD** + **10** parts **water** at a temperature from of **80°C to 95°C**.

Shake vigorously before use. Dip the items in the dyeing bath for 1 to 10 minutes according to the required intensity. Move gentle pieces during the coloration.

Rinse with water.



RELATED PRODUCTS

Post-coloration cleaner

A final ultrasonic cleaning for few minutes in a solution containing 20 to 50ml/l **8460GTD detergent** prevents any possible discharge of dyes.

Discolorant

8050 discolorant used pure or diluted, at warm temperature allows to remove a non-compliant color.

Whitener

Yellowing items can recover their original whiteness by dipping in a warm bath containing 5 to 10 ml/l of **8430PA whitener**.

RELATED POLISHING PRODUCTS

Brightening paste

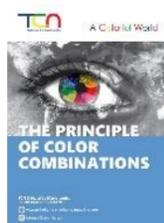
BS3208 brightening paste (technical bulletin n° 18 PO 23) allows to obtain a polished-mirror surface on previously smoothed items. It also provides a waterproof and antisoiling treatment to the treated parts.

SERVICES



Formulation and realization of shades on demand

Color matching of GTD liquid dyes from a Pantone® or RAL® reference.



« The principle of color combinations »

Our booklet recalls the essential chromatic properties to obtaining particular colors. It's a mini-guide that explains how to build your dyeing baths.



Spectrocolorimetric analysis

To guarantee ever more performance to our customers and partners, TCN is equipped with a **spectrocolorimetric device** to ensure:

The L*a*b color measurement of a tinted piece, in reflection and transmission, under different illuminants.

Reproducibility and conformity of each batch of dyes.

Precise color matching of specific shades.



UV aging test

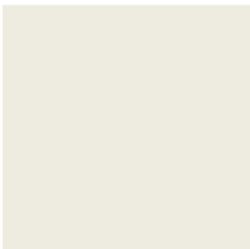
Our xenon lamp equipment allows to simulate aging tests and know the UV resistance of our dyes.

Our customers can ensure the behavior of their colorful pieces and the change in properties of their materials by solar radiation in a short time.

Color chart

A range of 20 standard colors is available and all miscible with each other to achieve an infinity of colors.

GTD high-performance concentrated liquid dyes

 <p>MJF COMPATIBLE</p> <p>8471 Yellow</p>	 <p>8472 Orange</p>	 <p>MJF COMPATIBLE</p> <p>8901 Brick</p>	 <p>MJF COMPATIBLE</p> <p>8473 Scarlet</p>	 <p>MJF COMPATIBLE</p> <p>8474 Red</p>
 <p>MJF COMPATIBLE</p> <p>8475 Burgundy</p>	 <p>MJF COMPATIBLE</p> <p>8476 Plum</p>	 <p>MJF COMPATIBLE</p> <p>8889* Blue</p>	 <p>MJF COMPATIBLE</p> <p>8477 Blue</p>	 <p>MJF COMPATIBLE</p> <p>8486 Royal blue</p>
 <p>MJF COMPATIBLE</p> <p>8478 Navy</p>	 <p>8479 Green</p>	 <p>MJF COMPATIBLE</p> <p>8904 Green</p>	 <p>8916 Ivory</p>	 <p>MJF COMPATIBLE</p> <p>8482 Brown</p>
 <p>MJF COMPATIBLE</p> <p>8483 Chocolate</p>	 <p>8489 Light Grey</p>	 <p>MJF COMPATIBLE</p> <p>8484 Grey</p>	 <p>MJF COMPATIBLE</p> <p>8480 Khaki</p>	 <p>MJF COMPATIBLE</p> <p>8485 Black</p>

* **FOOD CONTACT** : **8889 blue**, used as specified, complies with Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food.
See Certificat GTD – 0920 .

illustrative colors
pure colors are listed in bold



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A Colorful World



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