CHEMISTRY THAT MATTERS™

HOW TO REQUEST A COLOR MATCH

A GUIDE TO COMPLETE YOUR ONLINE REQUEST AT COLORXPRESS



To successfully complete the color match request form and process, you must provide a physical sample of your color (color chip or part), along with the information detailed in this document.

INFORMATION REQUIRED FOR YOUR ONLINE REQUEST

Please review this list to prepare to place your online color matching request on ColorXpress. Find additional details to support your request on the next pages.

1. Desired product line and grade (i.e., LEXAN™ ML4351,).
2. Regulatory requirements if any (i.e., food contact; NSF, UL, ECO).
3. Desired part/product surface: polished, matte, or textured.
4. Primary light source you will use to evaluate your color match (daylight, fluorescent).
5. Opacity requirements.
6. Ultraviolet testing requirements if any.
7. Thickness of your part or product (if requesting a transparent or translucent color).
8. A physical sample of your target color is required. Send a color chip or actual part.
9. Your company's internal Project Name/Number to track your request in MyColorXpress.
10. Project Color Name.
11. Project Color Number (your company's internal number).
12. Is color match for an automotive product? (requires OEM and Molder info).
13. Your Region (Americas, EMEA or APAC).
14. The location where color match will be performed (regional availability).
15. Whether the color match is being developed for a new product.

ADDITIONAL DETAILS TO SUPPORT YOUR REQUEST

A. DESIRED OPACITY

If you request a translucent or transparent match, keep in mind that only certain grades are available for those options. If you choose a transparent/translucent product, you will also be asked to provide:

- Thickness of the target sample you are sending. The thickness determines the appearance of transparent/translucent resins because the thicker the resin is, the less light can be transmitted through it. To achieve the right color, ColorXpress will create a match using the same thickness as your part.
- Range of variation of thickness of the part, if applicable.
- Desired color chip thickness.
- Desired percentage of light transmission.

B. PRODUCT LINE AND GRADE NAMING

Knowing which product line and grade you need is important for an accurate color match. If you do not know, you may contact ColorXpress or use the Find a Grade tool within the color match request form. The tool requires that you know and understand the compliance requirements for your product - i.e., for food contact; National Sanitary Foundation (NSF); Underwriter's Laboratories (UL) and ECO standards (TC099, TC001, Blue Angel).

VISUAL EFFECT (VISUALFX™ Resins)
Special effects resins are available in certain grades. When you select this as an option, the form will only display grade options available for VISUALFX™ Resin.

C. TARGET COLOR

Because light and age can alter sample paper chips, there can be significant differences between the same Pantone, RAL, Federal Standard color, NCS or Munsell number samples. For that reason, we ask that you send a sample chip or part displaying your desired color. (All submitted paper chips or samples will be returned.) Please note that a physical sample is not required if your target color is an existing SABIC color number. You may provide one of the following as a sample:

- Pantone Chip (Paper) & Number
- RAL Chip (Paper) & Number
- Federal Standard Chip (Paper) & Number
- NCS Chip (Paper) & Number
- Munsell Chip (Paper) & Number
- SABIC Color Number (no physical sample is needed)
- A Part



D. VISUAL AND NUMERICAL ASSESSMENT

Many factors influence the perception of color including shape, texture and the substrate of your color target. To ensure the accuracy of your color, ColorXpress will visually assess the color and will take all of these factors into consideration. In addition, you may want to request a numerical assessment (L*a*b*). You will need to indicate any tolerance requirements you wish to apply along with the following:

- DL*
- Da*
- Db*
- Dc*
- Spectrophotometer Type
- Spectrophotometer Setup Details

In cases where the material for the sample and final resin color are different, a visual assessment is always recommended.

E. FUNCTIONAL REQUIREMENTS

The functional questions ensure your match meets all your requirements. Below are the questions you will be asked about your match:

- The desired surface for your part/tool - Polish (Gloss), Matte, or Texture
- Surface texture affects light reflection and perceived color and is important when matching colors. ColorXpress will use the closest texture to your desired surface when determining a match.
- The light source(s) you will use to evaluate this color: ColorXpress uses your indicated light source to view the color match and to complete color match correctly the first time.
- Whether you will use a light booth to evaluate your color match
- If there is a UV test requirement: important to the formulation of your color.

The information you provide will help ColorXpress perform the best color match possible. Please be sure to submit your color target (chip or part) as soon as possible to ensure your color match request is processed quickly.

CONTACT INFORMATION

	AMERICAS	EUROPE	ASIA PACIFIC
General color inquiries	ColorXpress@sabic.com	ColorXpress.Europe@sabic.com	ColorXpress.Pacific@sabic.com
Technical support for color	Technical.color@sabic.com +1 877 43COLOR (1-877-432-6567)	ColorXpress.Europe@sabic.com 31 164 29 39 27 31 164 29 39 25	ColorXpress.Pacific@sabic.com +86 21 20378066
Shipping address	ColorXpress Services One ColorXpress Way Selkirk, NY 12158	ColorXpress Services Plasticslaan 1 4612 PX Bergen op Zoom The Netherlands	ColorXpress Services 2550 Xiupu Road. Pudong Shanghai 201319 China

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