

CHEMISTRY THAT MATTERS™



EXPRESSION 2021/2022

LNPT™ COPOLYMER COLOR TRENDS





EXPRESSION 2021 / 2022

As one of the top engineering plastics suppliers, SABIC keeps researching emerging color trends, and we help customers transfer design concept into tangible solutions, triggering new perception of retro and energy.

VISUALFX™ resins are formulated with the color and effect inherent in the pellet to create colorful and exceptionally rich looking parts out-of-mold in an eco-friendly way.

Let us take you on a fascinating journey through the world of aesthetics.

[COLORXPRESS™ Services](#)

[deliver the right colors and effects, in the right place,
at the right time, every time.](#)

TIME'S ECHO

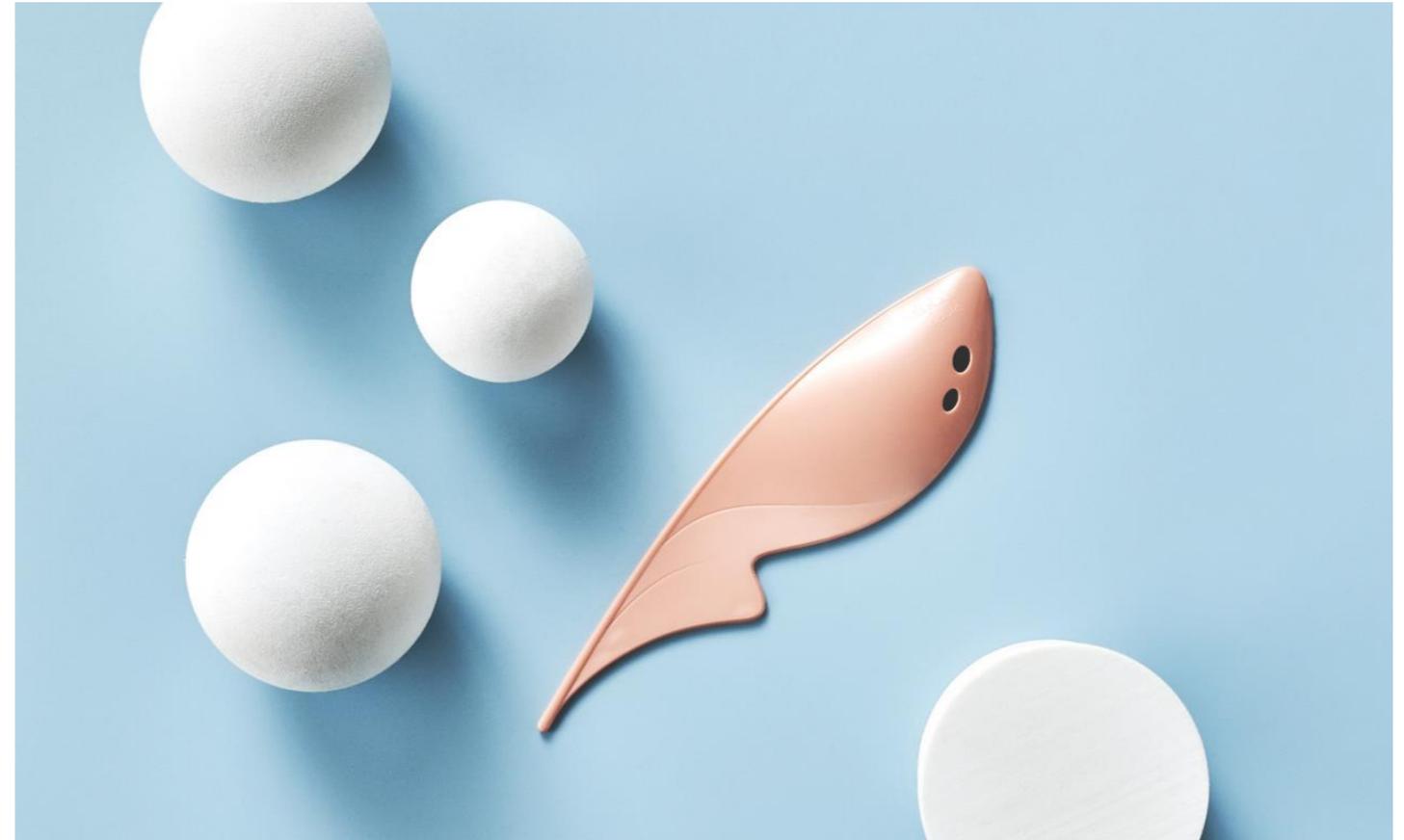
IRIDESCENCE

SWEET NEON

MOMENT

RE-BLOSSOM

NATURAL THERAPIES





TIME'S ECHO

Fashion trends come and go. Right now, retro trends are making a huge comeback. The designer has combined the retro design style and geometric shapes in a way that inspires fun, breathes new life into classical elements and allows elegance to speak for itself.

The retro color palette characterized by medium brightness and high chroma induces a sense of nostalgia, making a link between the past and the present.

01

Theme 01

TIME'S ECHO



❖ Luster Plus

The Luster Plus series leverages new technologies to produce enhanced pearlescent delicateness and luminosity that is more vivid and resplendent than before. The play of light and shadow shifts and varies with surface curvature and material thickness.





▪ Grade	EXL Copolymer FXP1430: Excellent impact resistance
▪ Potential Application	Housing of consumer electronics products Cosmetic packaging Automotive interior decoration trims, etc.
▪ Coloring Space	Wide coloring space Better pearly effect and higher reflection in translucent base
▪ Welding Line / Flow Mark Sensitivity	Mid - high

Luster Plus

FXP1430
2G3B3022X
Delft Blue

Luster Plus

FXP1430
2G7B3020X
Marina

Luster Plus

FXP1430
9G3B3026X
Provence



Luster Plus

FXP1430
4G6B3018X
Tulip



Luster Plus

FXP1430
6G7B3019X
Cinnabar



Luster Plus

FXP1430
4G7B3017X
Naples



▪ Grade	EXL Copolymer FXP1430: Excellent impact resistance
▪ Potential Application	Housing of consumer electronics products Cosmetic packaging Automotive interior decoration trims, etc.
▪ Coloring Space	Wide coloring space Better pearly effect and higher reflection in translucent base
▪ Welding Line / Flow Mark Sensitivity	Mid - high





IRIDES- CENCE

New technology enables people to switch between virtual worlds, imagined worlds and reality at will.

This design delivers an experience of real world blending with real world by using ethereal rainbow colors and delicate luster to produce futuristic, dreamy and surreal visuals.

02

Theme 02

IRIDESCENCE



❖ Luster

Reproduce the elegance of a pearl finish with a shiny, translucent base in soft pastel and iridescent colors.





- Grade**
FXM941A: FR UL94 V0 @3mm
EXL Copolymer FXM1414T: Excellent impact resistance
SLX Copolymer FXM2271*: Impact resistant, low scratch

- Potential Application**
Housing of consumer electronics products
Cosmetic packaging
Automotive interior decoration trims, etc.

- Coloring Space**
Wide coloring space

- Welding Line / Flow Mark Sensitivity**
Mid - high

* Metallic effect and pearly effect in FXM2271 are in developmental stage

Luster

- FXM1414T
- 6G7B1814M
- Confetti

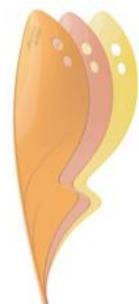
Luster

- FXM1414T
- 9G4B1558M
- Wisteria

Luster

- FXM1414T
- 2G7B1817M
- Sky Mirror





Luster

FXM1414T
4G7B1559M
Cloudy Orange



Luster

FXM1414T
4G7B1560M
Aurora



Luster

FXM2271*
Clementine



- **Grade** FXM941A: FR UL94 V0 @3mm
EXL Copolymer FXM1414T: Excellent impact resistance
SLX Copolymer FXM2271*: Impact resistant, low scratch

- **Potential Application** Housing of consumer electronics products
Cosmetic packaging
Automotive interior decoration trims, etc.

- **Coloring Space** Wide coloring space

- **Welding Line / Flow Mark Sensitivity** Mid - high

* Metallic effect and pearly effect in FXM2271 are in developmental stage





SWEET NEON

Digital technology can help product design stand out on screens and in the real world. People use digital technology to simulate natural forms and create new forms of interactive art.

The fluorescent neon color palette is used to create energetic and colorful flow lines, injecting excitement into the design and connect with young people.

03

Theme 03

SWEET NEON



❖ **Illuminate / Edge Glow**

Transform invisible light to create a brilliant edge glow effect accenting design and simulating an interior light source.

❖ **Diffusion**

Combine transparency, diffusion and eye-catching colors for both hidden and visible interior components.

❖ **Diamond**

Glass-like particles in a translucent base create a shimmering, jewel effect that helps make any product shine.





Illuminate
Edge Glow

FXE1414T
6G6B1475T
Pitaya

Illuminate
Edge Glow

FXE1414T
6G6B1551T
Noontide

Illuminate/
Edge Glow
+
Light Diffusion

DMX1435D
3G7B1690X
Firefly

- | | |
|---|--|
| <ul style="list-style-type: none"> Grade | <p>FXE121(R) / FXE141R: Excellent impact resistance</p> <p>EXL Copolymer FXE1414 / FXEMPX1 / FXEMPX2 / FXE1112T / FXE1414T</p> <p>Excellent impact resistance at low temperature</p> |
| <ul style="list-style-type: none"> Potential Application | <p>Decoration of consumer electronics products</p> <p>Cosmetic packaging</p> <p>Automotive interior decoration trims, etc.</p> |
| <ul style="list-style-type: none"> Coloring Space | <p>FXE121(R) / FXE141R: Transparent / translucent / opaque</p> <p>FXE1414 / FXEMPX1 / FXEMPX2: Opaque</p> <p>FXE1112T / FXE1414T: Transparent / translucent / opaque</p> |
| <ul style="list-style-type: none"> Welding Line / Flow Mark Sensitivity | <p>Low</p> |

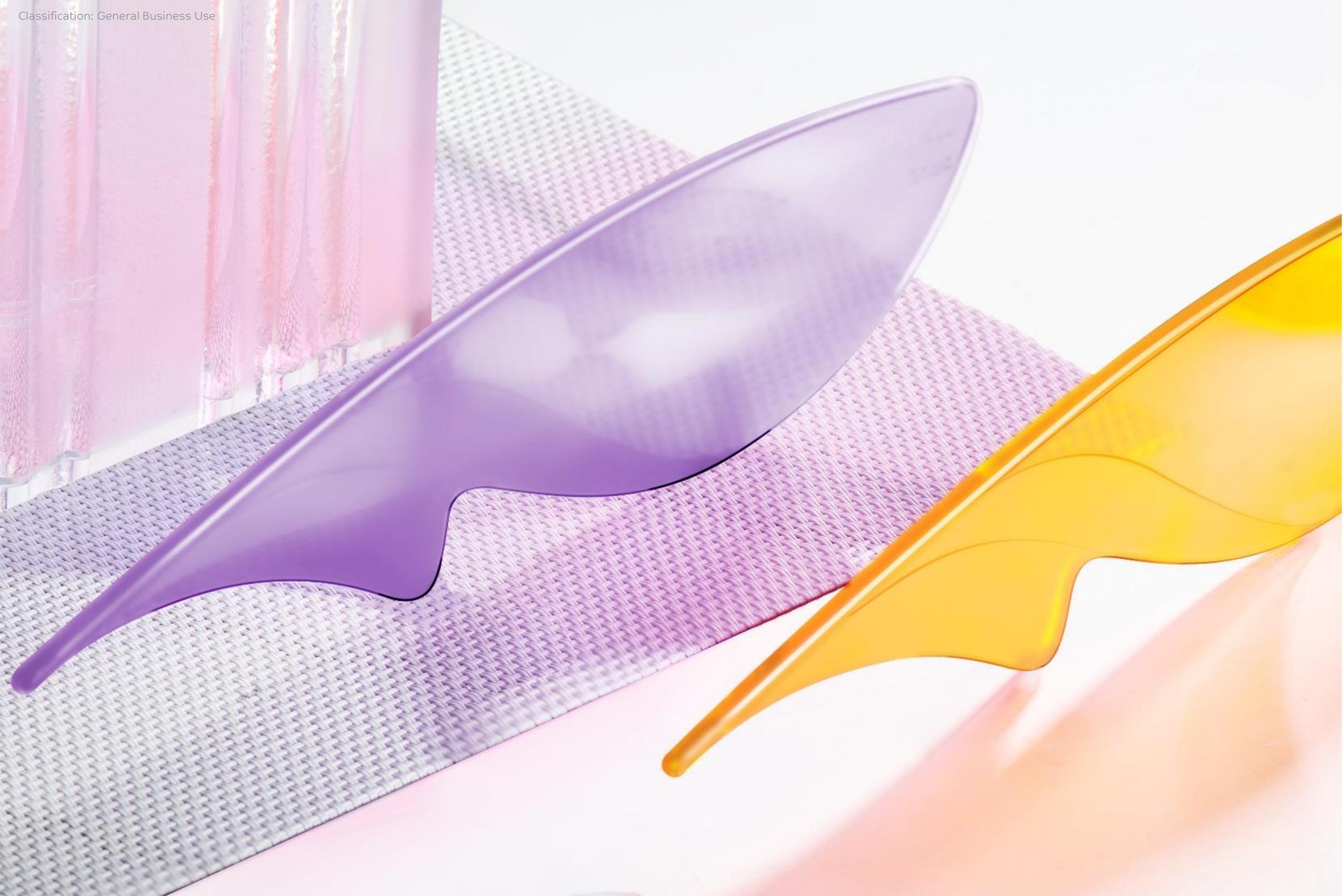






<ul style="list-style-type: none"> ▪ Grade 	<p>FXD123R: Excellent impact resistance and UV stability FXD1414T: Excellent impact resistance at low temperature FXD9810: FR UL94 V0 @1.2mm, excellent impact resistance DMX1435D: Anti-scratch and light diffusion</p>
<ul style="list-style-type: none"> ▪ Potential Application 	<p>Housing or decoration of consumer electronics products Lighting Automotive interior decoration trims, etc.</p>
<ul style="list-style-type: none"> ▪ Coloring Space 	<p>Wide coloring space ranging from subtle to dramatic diffusing effect</p>
<ul style="list-style-type: none"> ▪ Welding Line / Flow Mark Sensitivity 	<p>Low</p>







- Grade**
FXG121R: Good impact resistance
FXG1414T: Excellent impact resistance
DMX1435G / DMX1234G*: Anti-scratch

- Potential Application**
Housing or decoration of consumer electronics products
Automotive interior lighting
Cosmetic packaging, etc.

- Coloring Space**
Wide coloring space ranging from subtle to dramatic diffusing effect

- Welding Line / Flow Mark Sensitivity**
Low

* Diamond effect in DMX1435G and DMX1234G are in developmental stage





MOMENT

Social media platforms are becoming increasingly popular, which sparks off the pursuit of real/natural images which are filter-free. People still love classics and tangible experience of beauty.

The combination of classic structures, lines and luster evokes feelings of calmness in viewers' hearts. Saturated metallic hues accentuate the attractiveness of the product. Rich and dark colors give off nostalgic vibes. The light hues from metallic texture blends complement colors creating a gentler contrast between the two.

04

Theme 04

MOMENT



❖ Ares

Extremely small flakes create the appearance of a continuous metal surface without the added cost of paint.

❖ Sparkle

A beautiful metal flake painted look which can eliminate the need for paint.





Sparkle

FXM1414T
2G3B1470M
Lapis Lazuli



Ares

FXM1414T
6G3B1840M
Vineyard Wine



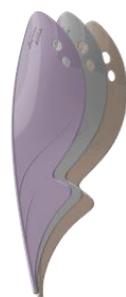
Ares

FXM1414T
3G3B1561M
Lichen



<ul style="list-style-type: none"> Grade 	<p>FXC630SK: FR PC/ABS FXM941A: FR PC UL94 V0 @3.0mm; FXM121R: Non-FR PC EXL Copolymer FXM1414T: Excellent impact resistance SLX Copolymer FXM2271*: Impact resistant, anti-scratch</p>
<ul style="list-style-type: none"> Potential Application 	<p>Housing or decoration of consumer electronics products Automotive interior lighting Cosmetic packaging, etc.</p>
<ul style="list-style-type: none"> Coloring Space 	<p>Mid-high chroma</p>
<ul style="list-style-type: none"> Welding Line / Flow Mark Sensitivity 	<p>Mid - high</p>

* Metallic effect and pearly effect in FXM2271 are in developmental stage



<ul style="list-style-type: none"> Grade 	<p>FXC630SK: FR PC/ABS FXM941A: FR PC UL94 V0 @3.0mm; FXM121R: Non-FR PC EXL Copolymer FXM1414T: Excellent impact resistance SLX Copolymer FXM2271*: Impact resistant, anti-scratch</p>
<ul style="list-style-type: none"> Potential Application 	<p>Housing or decoration of consumer electronics products Automotive interior lighting Cosmetic packaging, etc.</p>
<ul style="list-style-type: none"> Coloring Space 	<p>Mid-high chroma</p>
<ul style="list-style-type: none"> Welding Line / Flow Mark Sensitivity 	<p>Mid - high</p>

* Metallic effect and pearly effect in FXM2271 are in developmental stage

Sparkle



Sparkle



Sparkle







RE- BLOSSOM

The pandemic and global political power shift have led to drastic changes in people's values across the world. Efforts have been made to reduce harmful impact of the pursuit of luxury. People are paying more attention to environmental protection, resource conservation, mind-body balance, as well as work-life balance. More and more people want to change the world for the better in a gentle way.

In the era of personalization, the medium bright, high chroma color palette is used in the design of eco-friendly products to convey joyfulness and friendliness.

05

Theme 05

RE-BLOSSOM



❖ PCR PC/ABS

Impact modified polycarbonate / acrylonitrile butadiene styrene (PC/ABS) blend containing post-consumer recycled (PCR) contents, which is also non-brominated and non-chlorinated flame retardant (FR).

❖ PCR High Modulus PC

Compound based on PCR polycarbonate resins which are flame retardant and contain glass fiber.

❖ Upcycling iQ PBT

iQ PBT based compound utilizes LNP™ ELCRIN™ iQ upcycling technology.





PCR
PC + GF

D251RCC
9G3B1683
Nocturnes



PCR
PC + GF

D251RCC
2G3B1681
Blue Yonda



PCR
PC + GF

D251RCC
4G4B1684
Waratah



PCR High Modulus PC

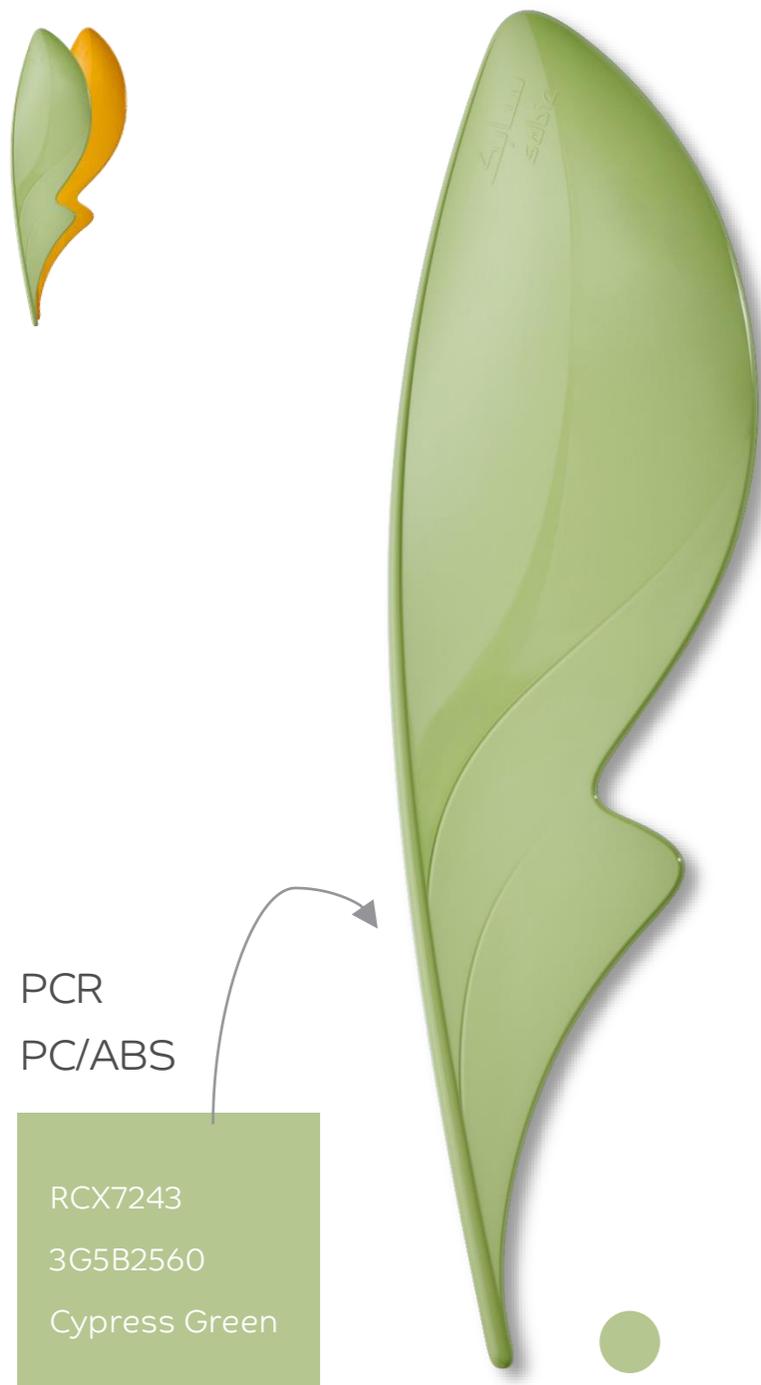
Compound based on PCR polycarbonate resins which are flame retardant and contain glass fiber.

- **Grade**

D251RCC: PC+20%GF, FR UL94 V0 0.6mm, ~40%PCR
D351RCC: PC+30%GF, FR UL94 V0 0.8mm, ~40%PC
- **Potential Application**

Housing of home appliance and consumer electronics products, etc.
- **Coloring Space**

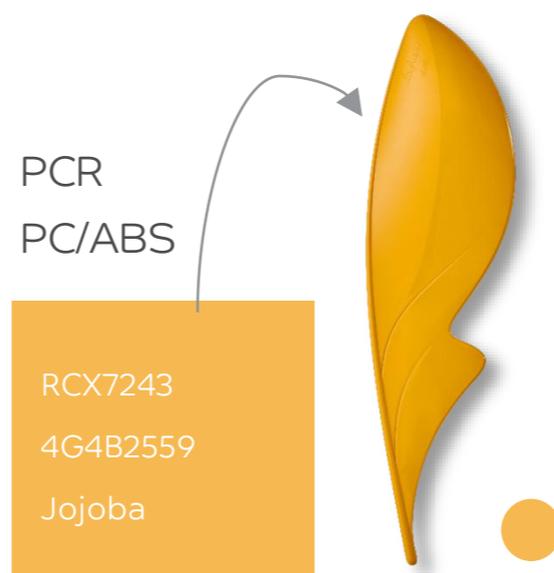
Wide coloring space, opaque

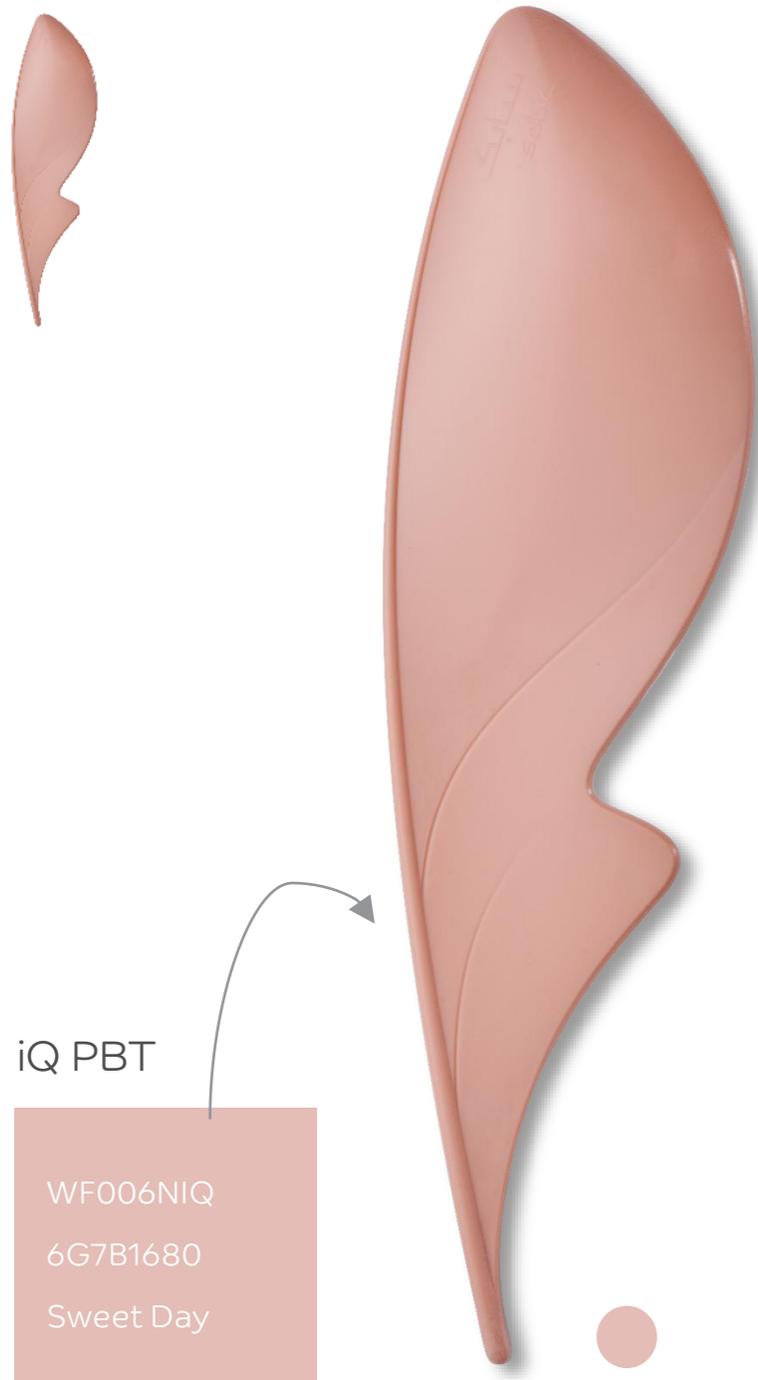


PCR PC/ABS

Impact modified polycarbonate / acrylonitrile butadiene styrene (PC/ABS) blend containing post-consumer recycled (PCR) contents, which is also non-brominated and non-chlorinated flame retardant (FR).

- Grade** RCX7243: PC/ABS, FR UL94 V0 0.75mm, ~30%PCR
- Potential Application** Housing of home appliance and consumer electronics products, etc.
- Coloring Space** Wide coloring space, opaque





Upcycling iQ PBT

iQ PBT based compound utilizes LNP™ ELCRIN™ iQ upcycling technology.

- **Grade** WF006NIQ: 30%GF PBT, >25% PCR, high metal bonding strength
W1000XiQ: PBT, good chemical resistance, >57% PCR
- **Potential Application** Smart phone / tablet antenna splitter
Cosmetic packaging, etc.
- **Coloring Space** Wide coloring space, opaque





NATURAL THERAPIES

Nature has a healing power. This design makes people forget the coldness of the hi-tech style. It draws inspiration from nature and leverages technology in a smart way to benefit both mankind and nature. The purity and simplicity of the design deliver a relaxing and refreshing experience.

Designers use natural, recyclable and eco-friendly materials and pure colors in an artistic way to convey the idea that technology is reshaping the human relation with nature.

06

Theme 06

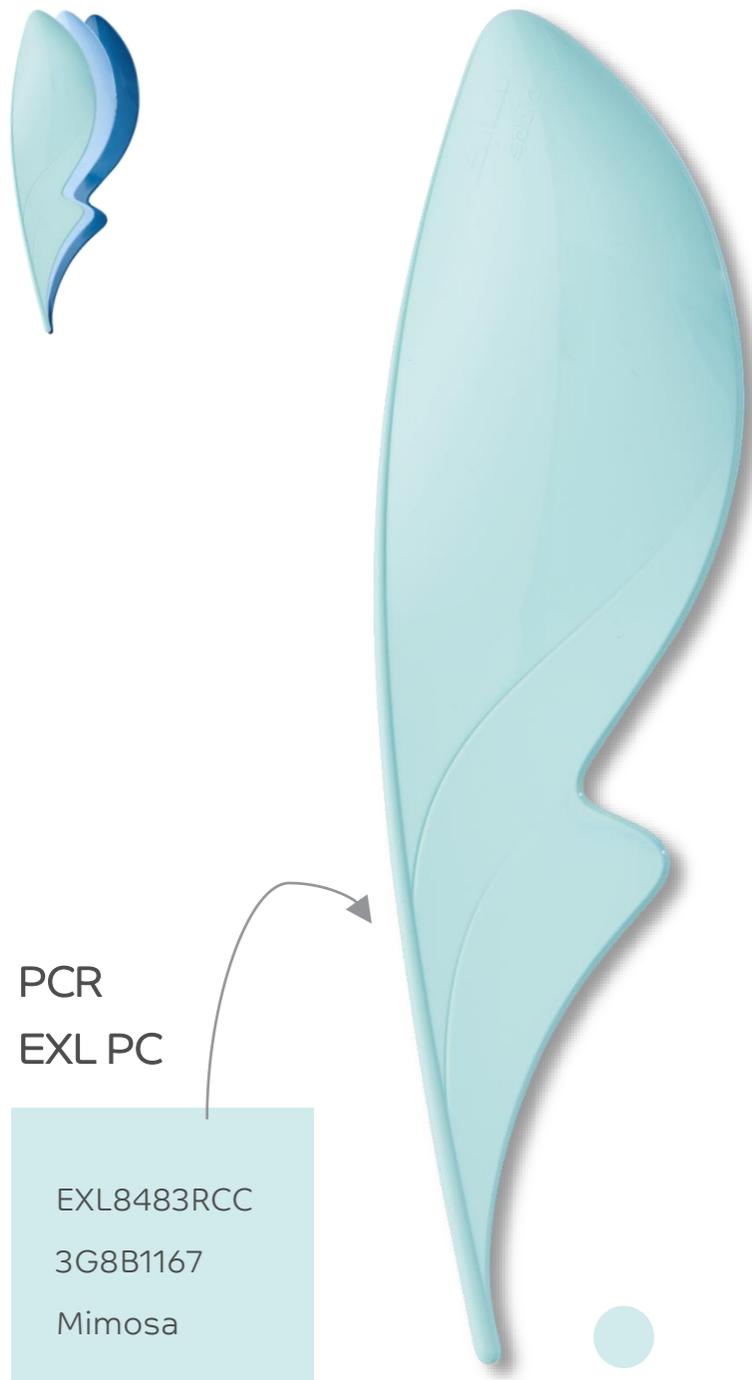
NATURAL THERAPIES



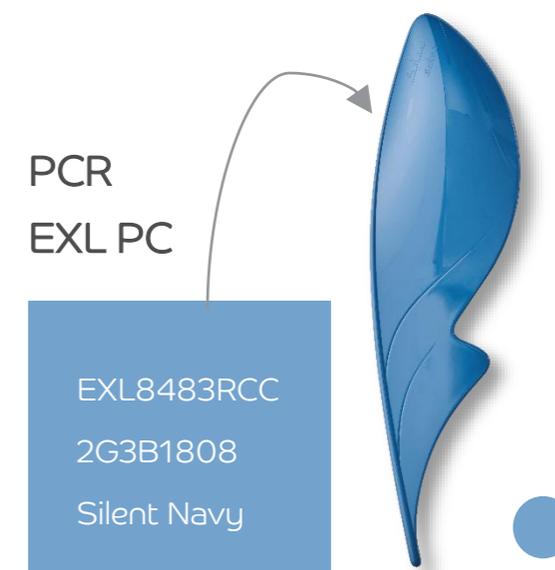
❖ PCR EXL Copolymer

PC/siloxane copolymer resin with excellent impact and post-consumer recycled content.





<ul style="list-style-type: none"> Grade 	<p>EXL8423RCC: ~20%PCR EXL8543RCC: ~40%PCR EXL8483RCC: ~80%PCR EXL8332TCC: ~25%PCR, Excellent low temperature impact resistance</p>
<ul style="list-style-type: none"> Potential Application 	<p>Housing of consumer electronics product and electrical products Home appliance products, etc.</p>
<ul style="list-style-type: none"> Coloring Space 	<p>EXL8423RCC / EXL8543RCC / EXL8483RCC: Wide, opaque EXL8332TCC: Wide, transparent, translucent, opaque</p>
<ul style="list-style-type: none"> Welding Line / Flow Mark Sensitivity 	<p>Low</p>





PCR
EXL PC

EXL8483RCC
6G8B1812
Rosebud

PCR
EXL PC

EXL8483RCC
4G8B1686
Water Lily

PCR
EXL PC

EXL8332TCC
1N8A8674T
Pristine

- **Grade**

EXL8423RCC: ~20%PCR
EXL8543RCC: ~40%PCR
EXL8483RCC: ~80%PCR
EXL8332TCC: ~25%PCR, Excellent low temperature impact resistance

- **Potential Application**

Housing of consumer electronics product and electrical products
Home appliance products, etc.

- **Coloring Space**

EXL8423RCC / EXL8543RCC / EXL8483RCC: Wide, opaque
EXL8332TCC: Wide, transparent, translucent, opaque

- **Welding Line / Flow Mark Sensitivity** Low



CUSTOMER INNOVATION CENTER COLORXPRESS



We deliver the right colors and effects,
in the right place, at the right time, every time.

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THANK YOU

