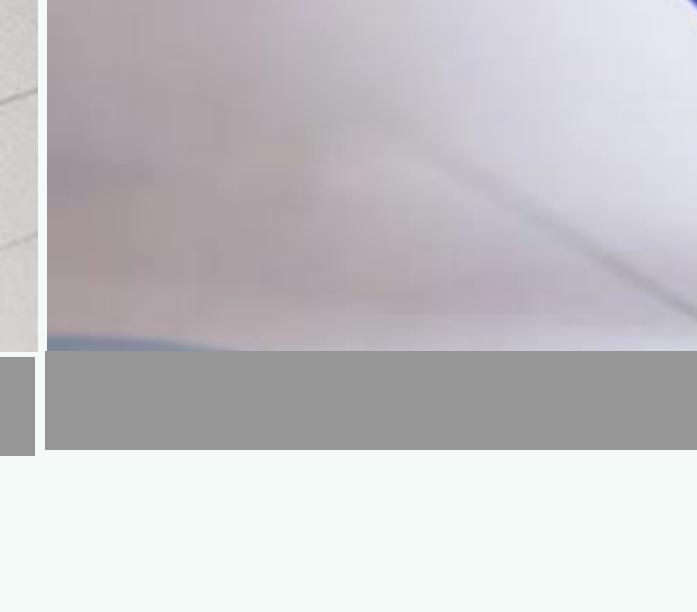
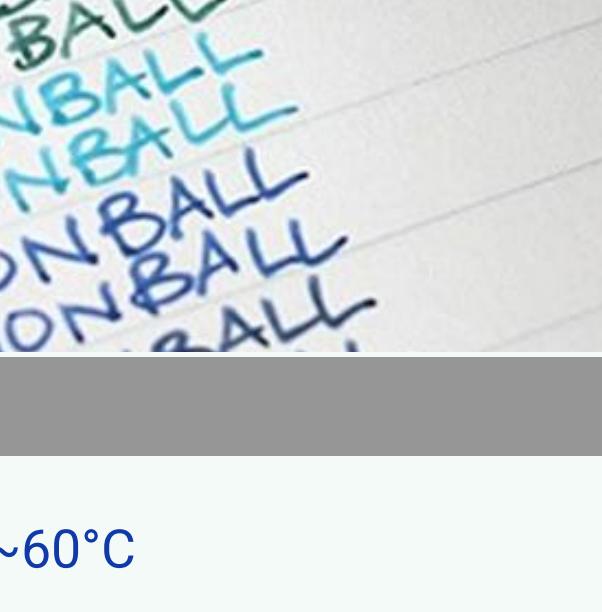
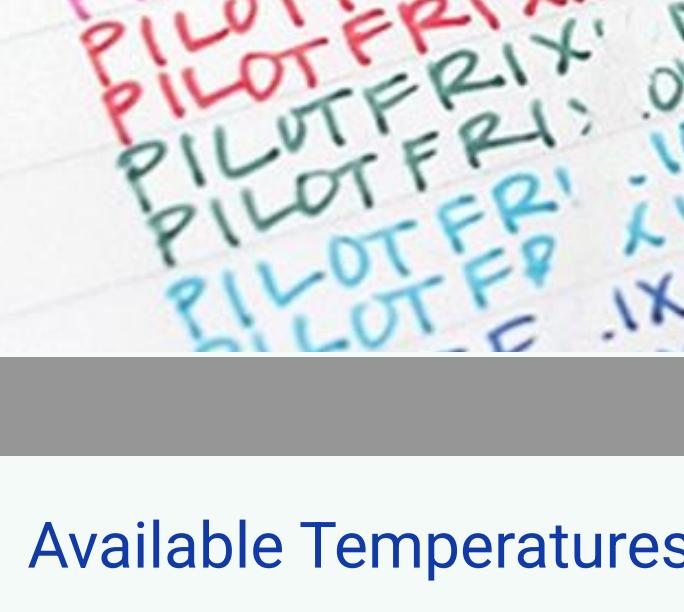
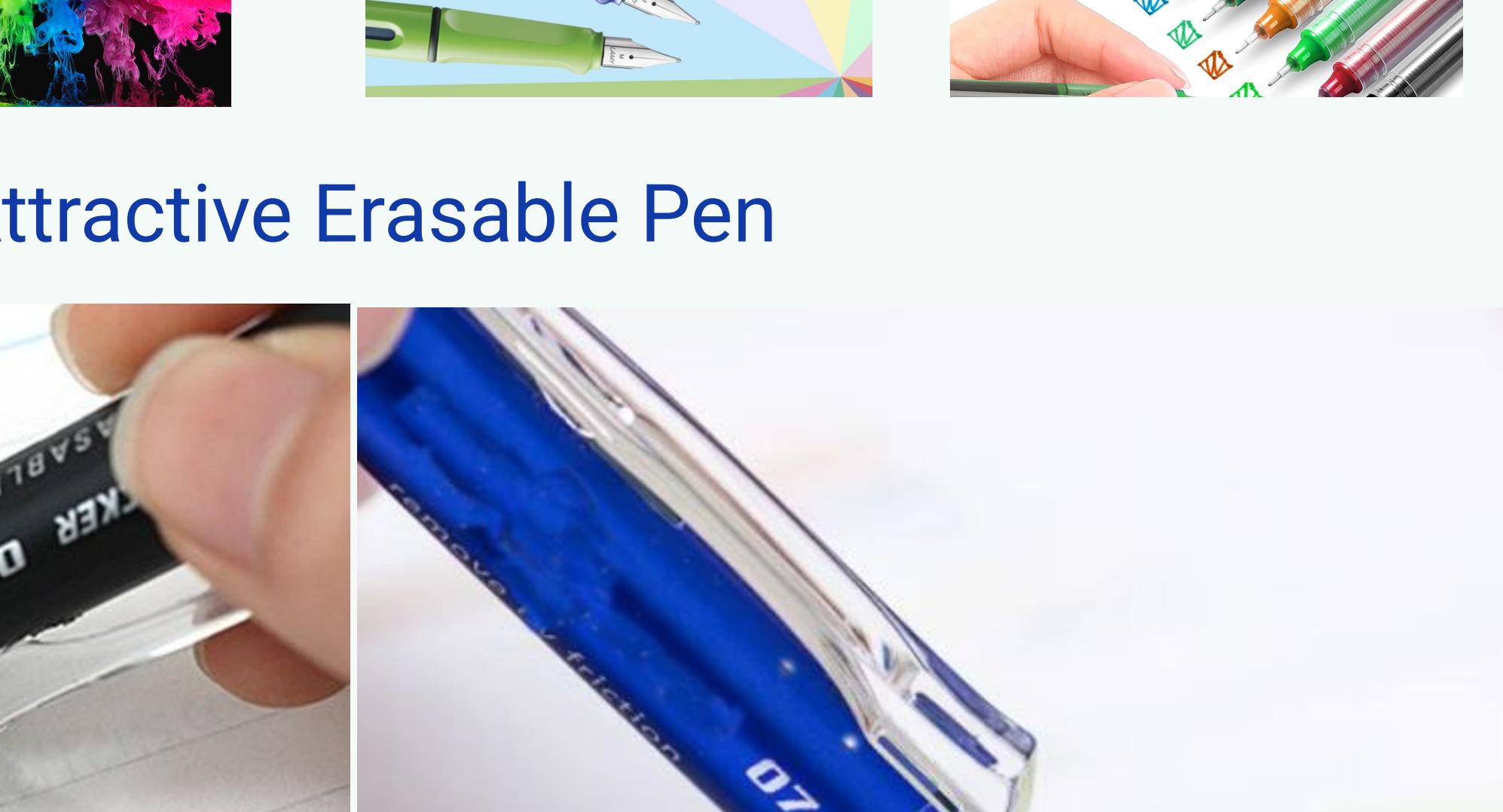


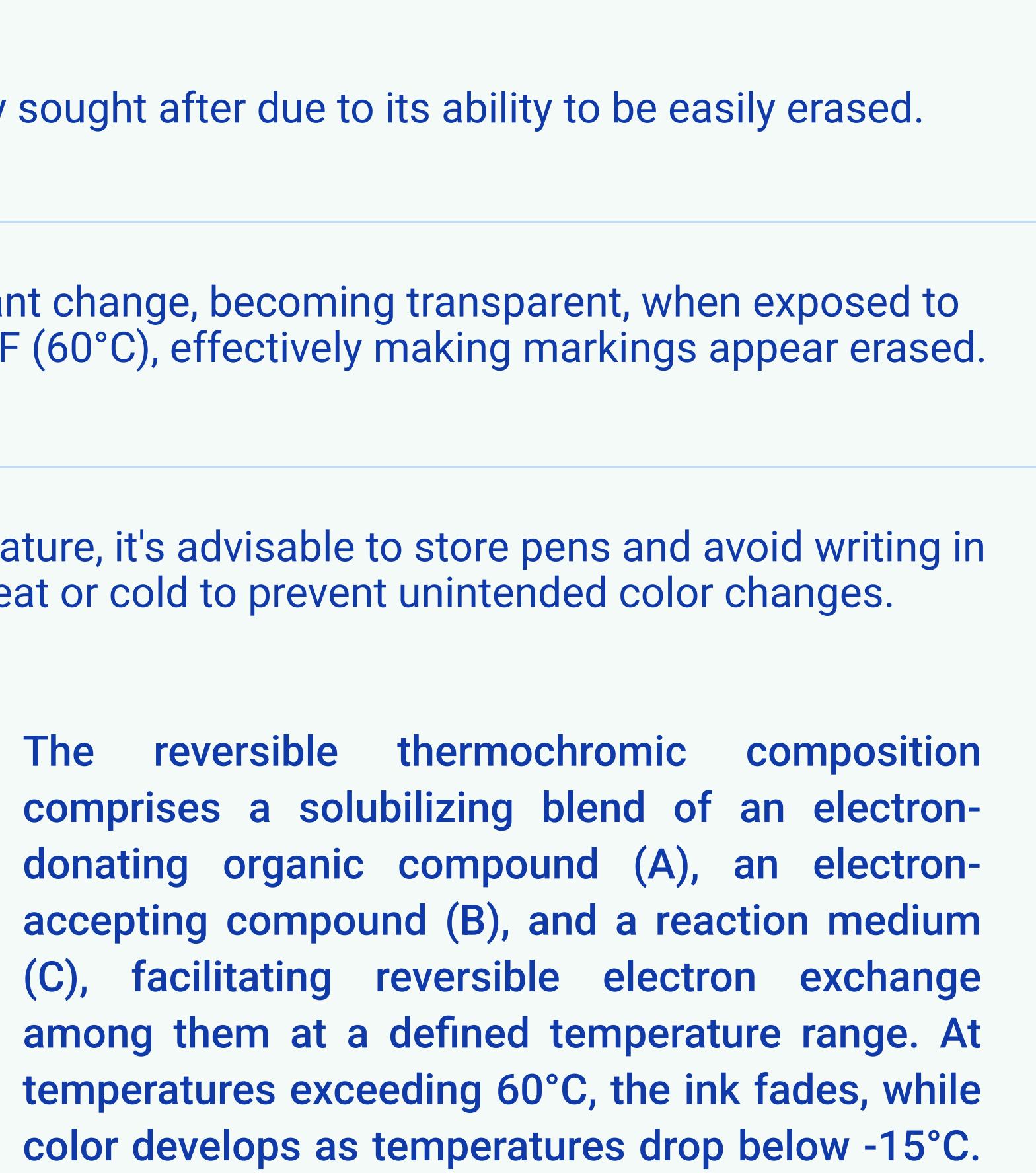
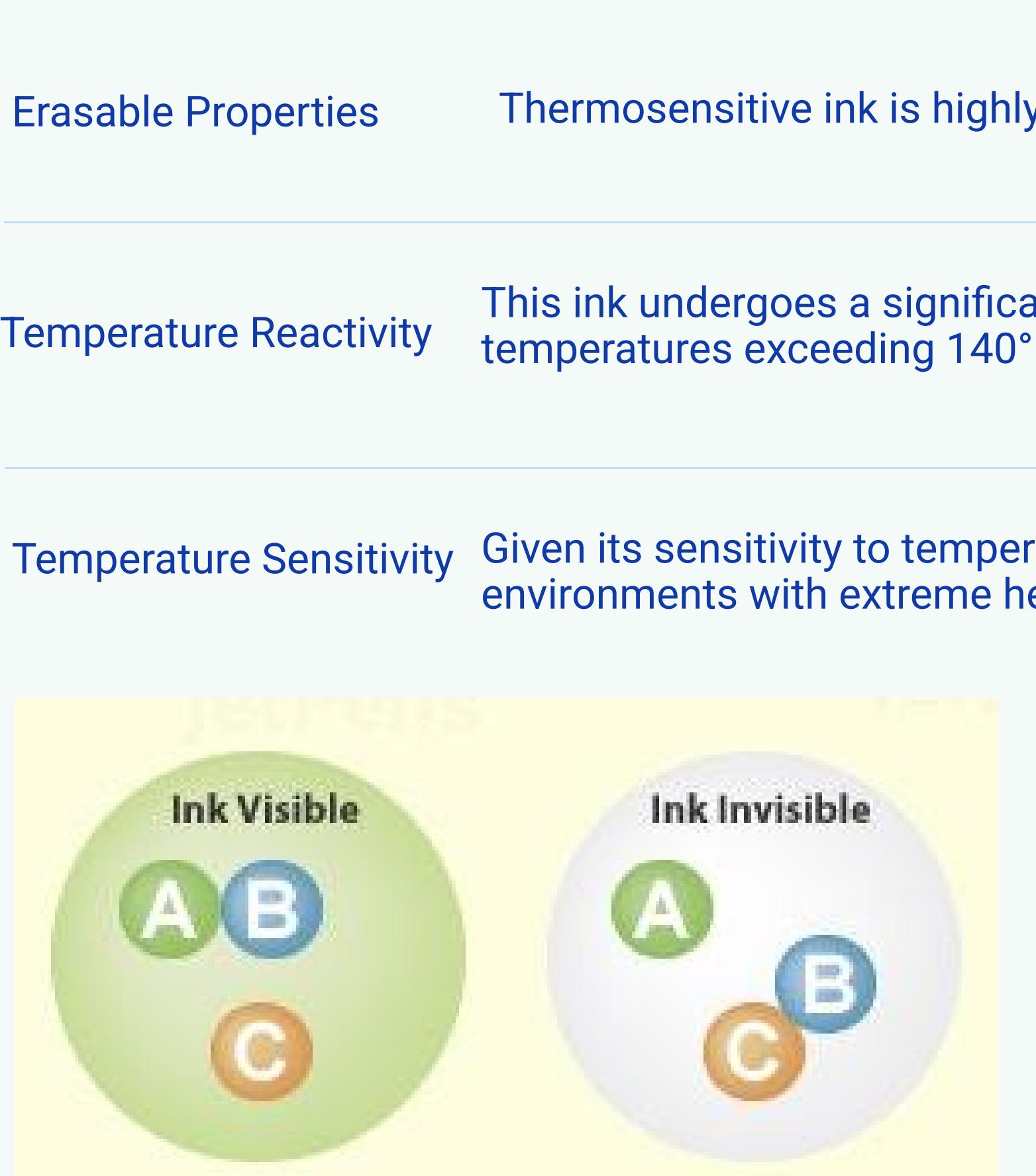


THERMOCHROMIC MICROCAPSULE INK

Thermosensitive ink is the most popular and reliable ink that can be erased. The ink will react and become transparent at temperatures above 140 F (60°C), making your mark look like it has been erased. Because of its heat-reacting properties, the ink may reappear when temperatures reach below -15°C. Since this kind of ink is sensitive to heat, it is best to keep pens and writing away from excessively hot or cold temperatures to prevent unnecessary color changes.



Attractive Erasable Pen



Available Temperatures : ~60°C

Cautions: We advise against writing on the reverse side of the page when using these pens, as heat transfer may occur, leading to unintended erasure.

Product Features

Erasable Properties

Thermosensitive ink is highly sought after due to its ability to be easily erased.

Temperature Reactivity

This ink undergoes a significant change, becoming transparent, when exposed to temperatures exceeding 140°F (60°C), effectively making markings appear erased.

Temperature Sensitivity

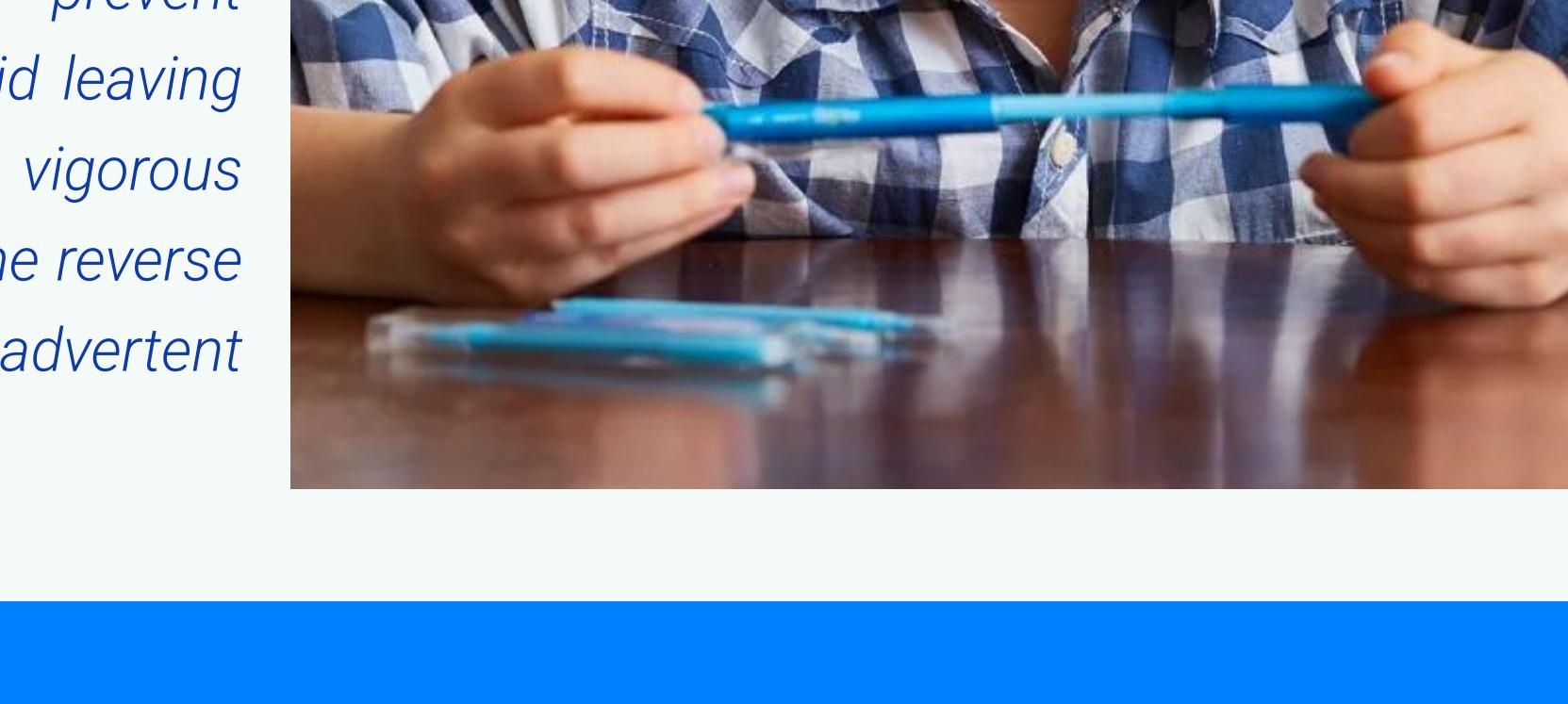
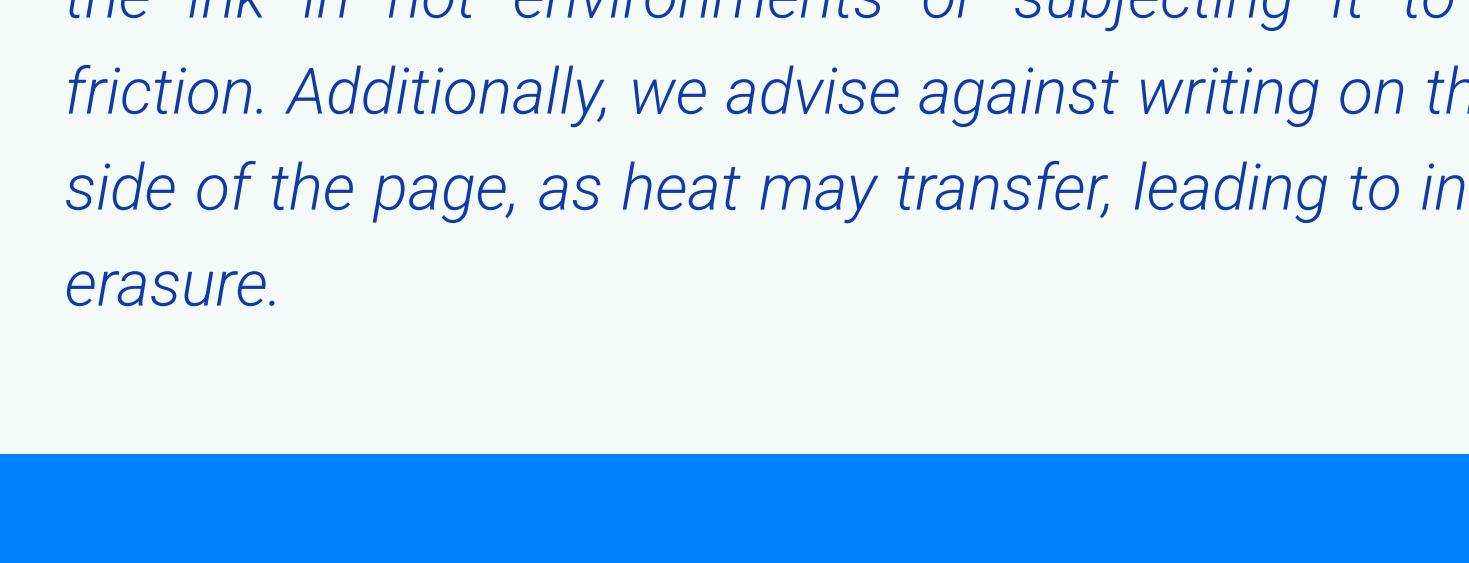
Given its sensitivity to temperature, it's advisable to store pens and avoid writing in environments with extreme heat or cold to prevent unintended color changes.



The reversible thermochromic composition comprises a solubilizing blend of an electron-donating organic compound (A), an electron-accepting compound (B), and a reaction medium (C), facilitating reversible electron exchange among them at a defined temperature range. At temperatures exceeding 60°C, the ink fades, while color develops as temperatures drop below -15°C. Rubbing the ink with a firm eraser generates heat through friction, causing the temperature-sensitive compound to diminish, effectively making the ink vanish!

Magic Erasable Ink

ERASABLE GEL PEN





Baisiyotech Co., Ltd. specializes in producing various types of inks. These inks include thermosensitive ink, conductive ink, electronic ink, inkjet printing ink, PEDOT-PSS transparent electrode ink and so on. We have strong technical strength and top technical personnel, with R&D laboratories and production plants in China and Canada.



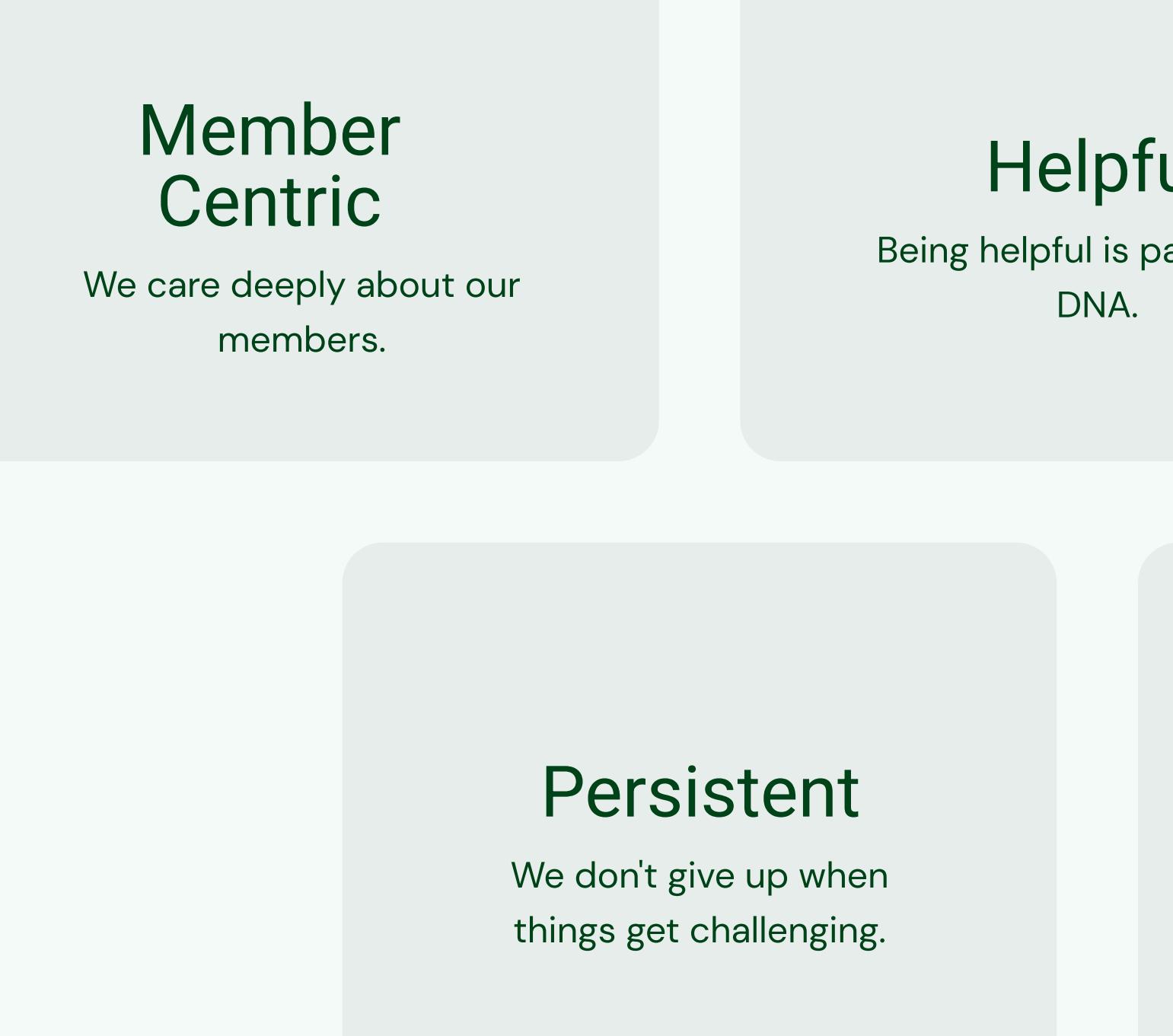
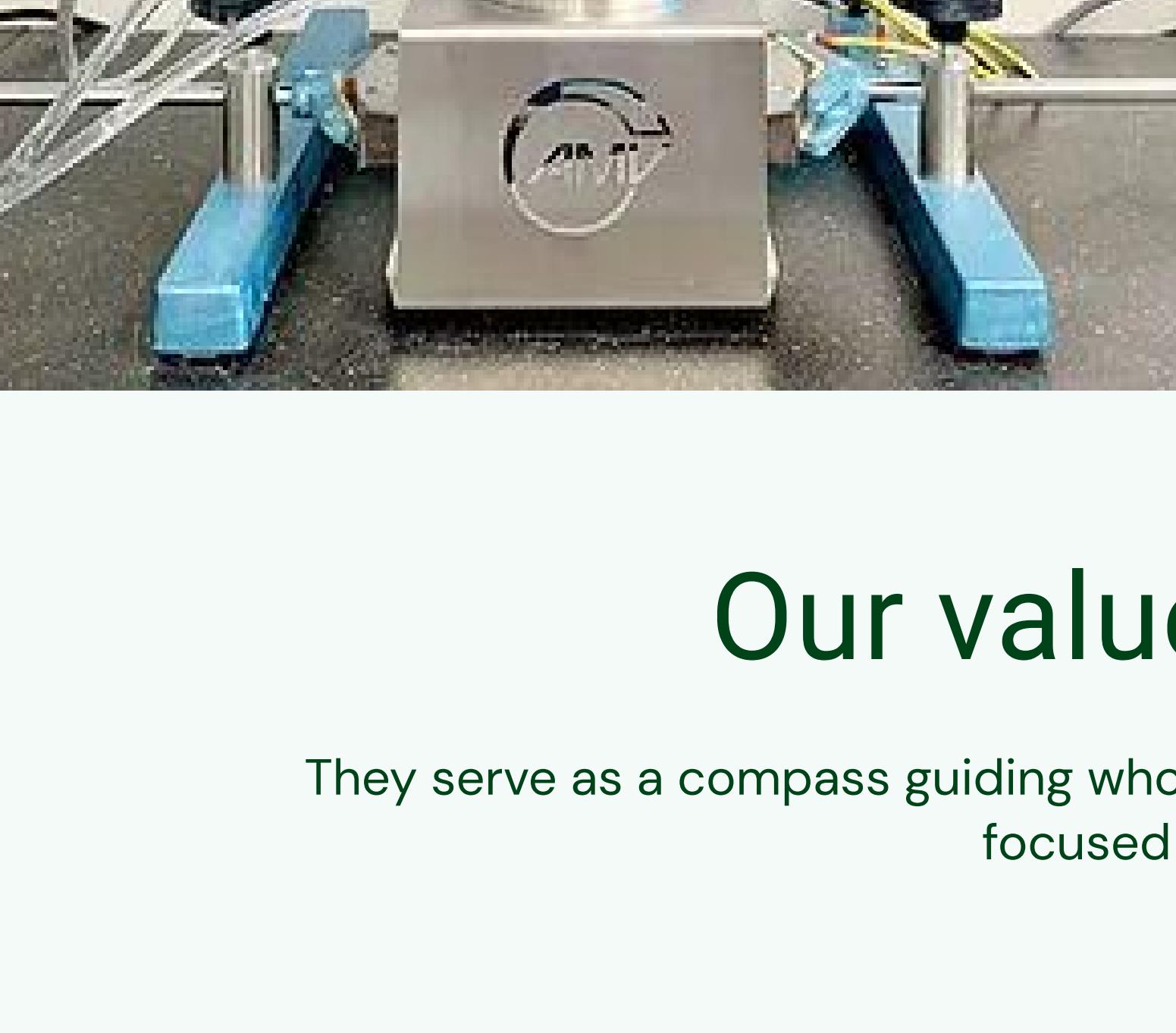
Our Story

In our quest for innovation, we embarked on a journey to develop thermosensitive ink. It began with a vision to create a product that would revolutionize the way people interact with ink. Through rigorous research and experimentation, we overcame challenges and obstacles, pushing the boundaries of ink technology. Our dedicated team of experts worked tirelessly, driven by a passion for innovation and excellence.

After countless hours of hard work and determination, we achieved a breakthrough. Our thermosensitive ink was born, offering a unique and interactive experience to users. Today, our ink stands as a testament to our commitment to innovation and creativity. It has found applications in various industries, from security printing to novelty items, making a lasting impact on the market.

As we continue to push the boundaries of ink technology, our journey of innovation continues. Inspired by our success, we remain dedicated to creating products that inspire and delight users around the world..

Another obstacle to overcome when making fountain pen inks is to reduce the size of ink particles, which are quite large because they contain three different components in microcapsules. They must be reduced so that the ink can flow smoothly from the pen tip. We reduced the particles to a quarter of their original size. Their width is 0.2 to 0.35 microns, which is about 400 times narrower than a human hair.



Our Team

With a team comprised of doctoral and master's graduates in materials science and physical chemistry, we bring a wealth of expertise to the table. Our advanced knowledge in these fields enables us to tackle complex challenges in ink development with precision and innovation.

Moreover, our arsenal includes state-of-the-art synthesis and detection equipment, allowing us to stay at the forefront of technology and maintain a competitive edge in the industry. From cutting-edge synthesis techniques to high-precision detection methods, we leverage the latest tools and technologies to drive our research and development efforts forward.

By combining our diverse academic backgrounds with advanced equipment and technology, we are well-equipped to explore new frontiers in ink development and deliver groundbreaking solutions to our customers. Our team's interdisciplinary approach fosters creativity, collaboration, and excellence, ensuring that we continue to lead the way in ink innovation.

Our values

They serve as a compass guiding who we are, how we work, and what we're focused on next.

Member Centric

We care deeply about our members.

Helpful

Being helpful is part of our DNA.

Transparent

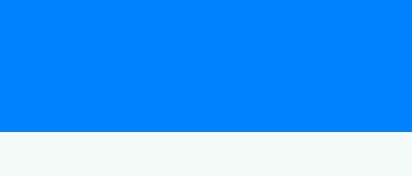
We are open, honest, and straightforward.

Persistent

We don't give up when things get challenging.

Better together

Opportunity exists for everyone at Dave.



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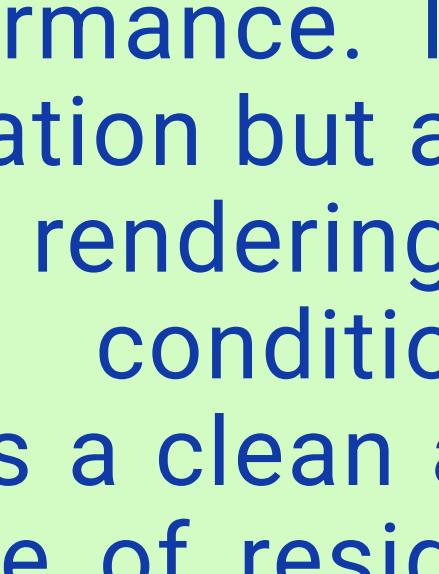
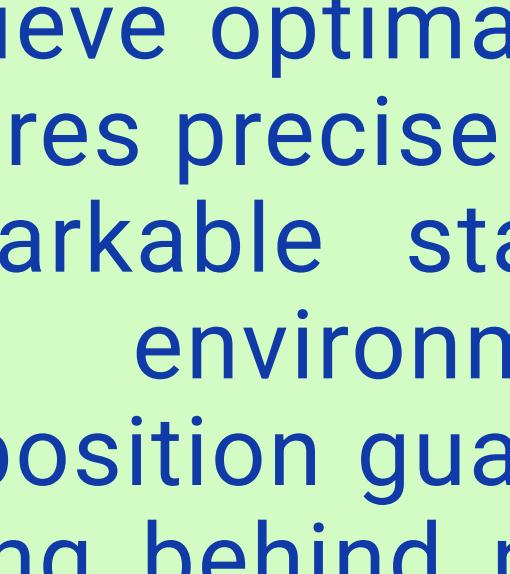
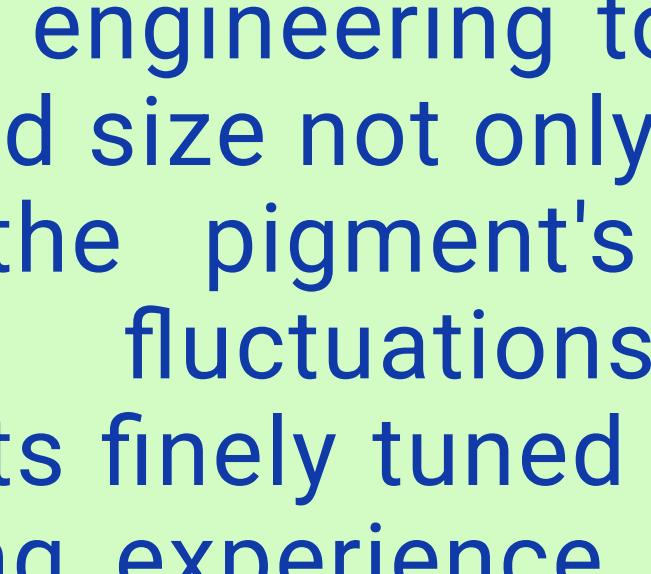
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CATEGORY
PRICE
PIGMENT TYPE
PARTICLE SIZE
HEALTH & SAFETY

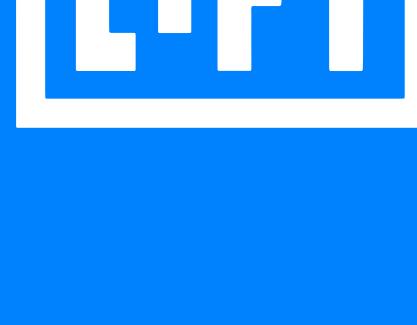
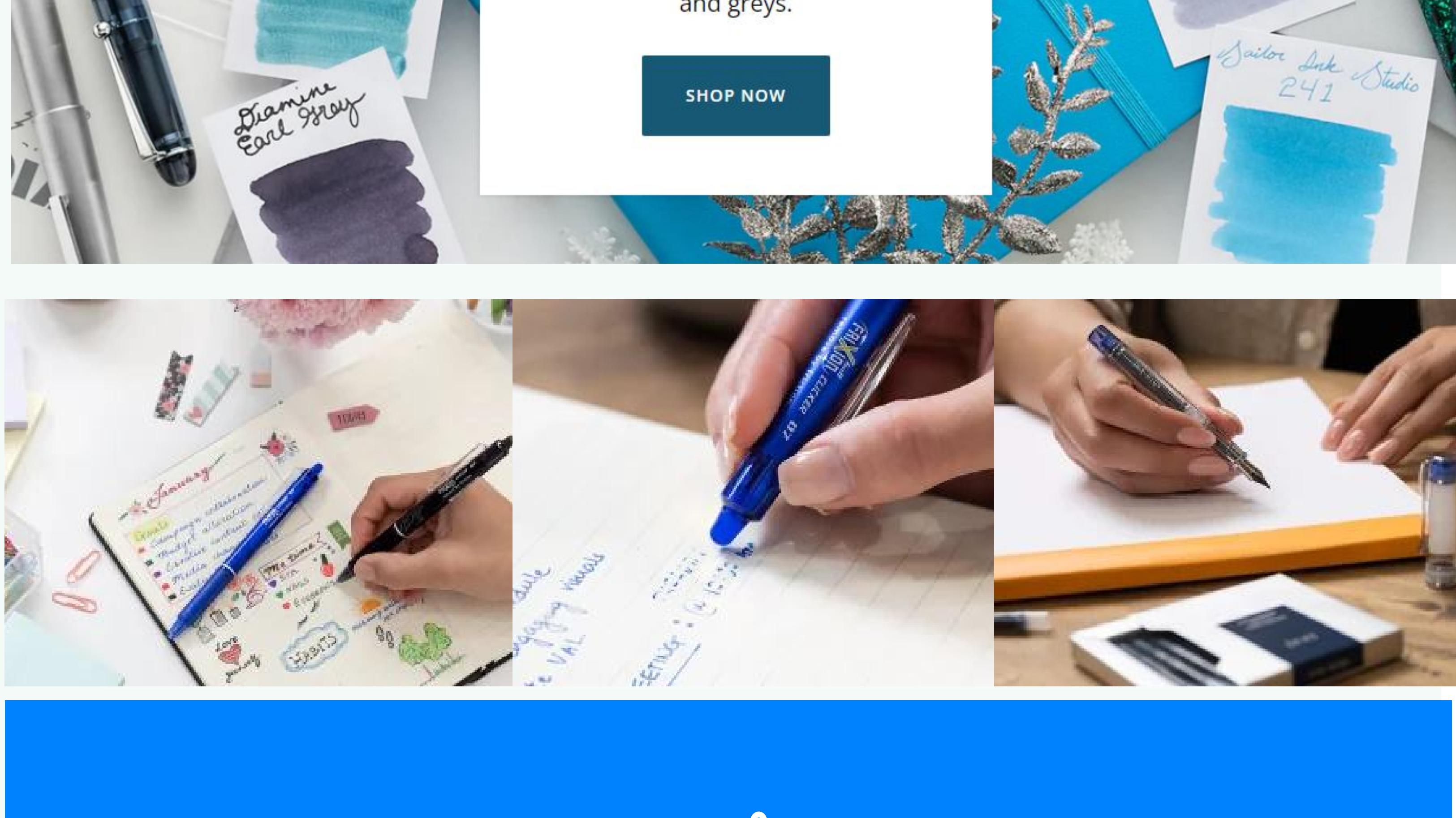


The particle size of the thermal-sensitive pigment employed within the pen measures less than 0.8 micrometers, underscoring its meticulous engineering to achieve optimal performance. This finely calibrated size not only ensures precise application but also underscores the pigment's remarkable stability, rendering it resistant to fluctuations in environmental conditions. Furthermore, its finely tuned composition guarantees a clean and flawless writing experience, leaving behind no trace of residual coloration, thereby maintaining the integrity of the writing surface.

Winter Writing

Our favorite fountain picks inspired by a cool palette of icy blue teals and greys.

[SHOP NOW](#)



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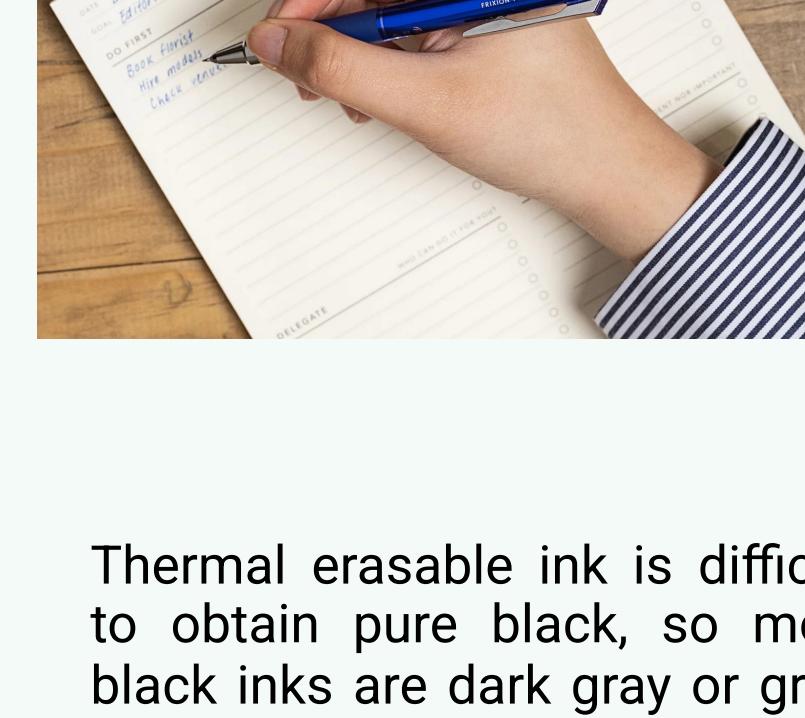
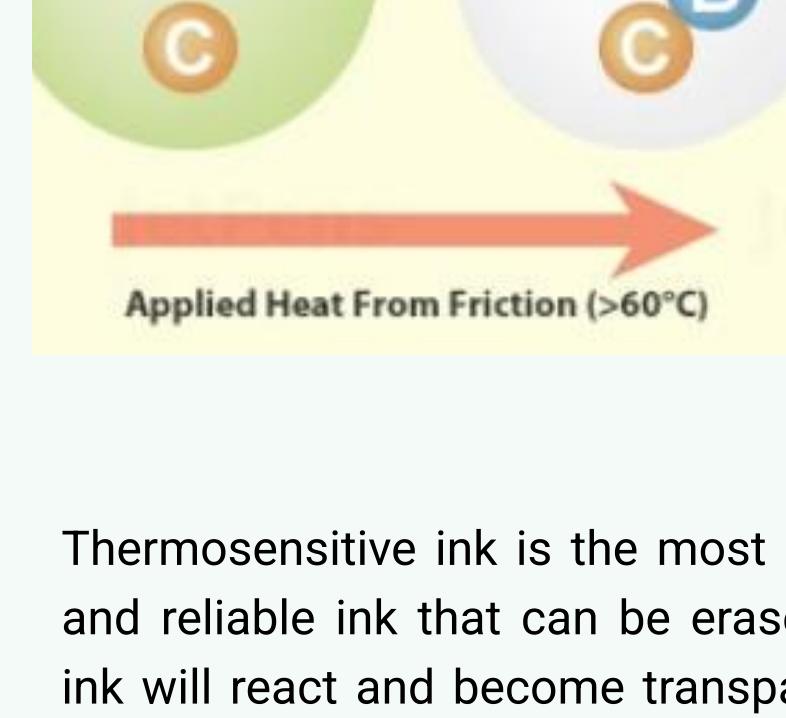
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The unique thermo-sensitive ink formula allows you to write, erase, and rewrite repeatedly without damaging documents and producing crumbs. Write like a pen and erase like a pencil !



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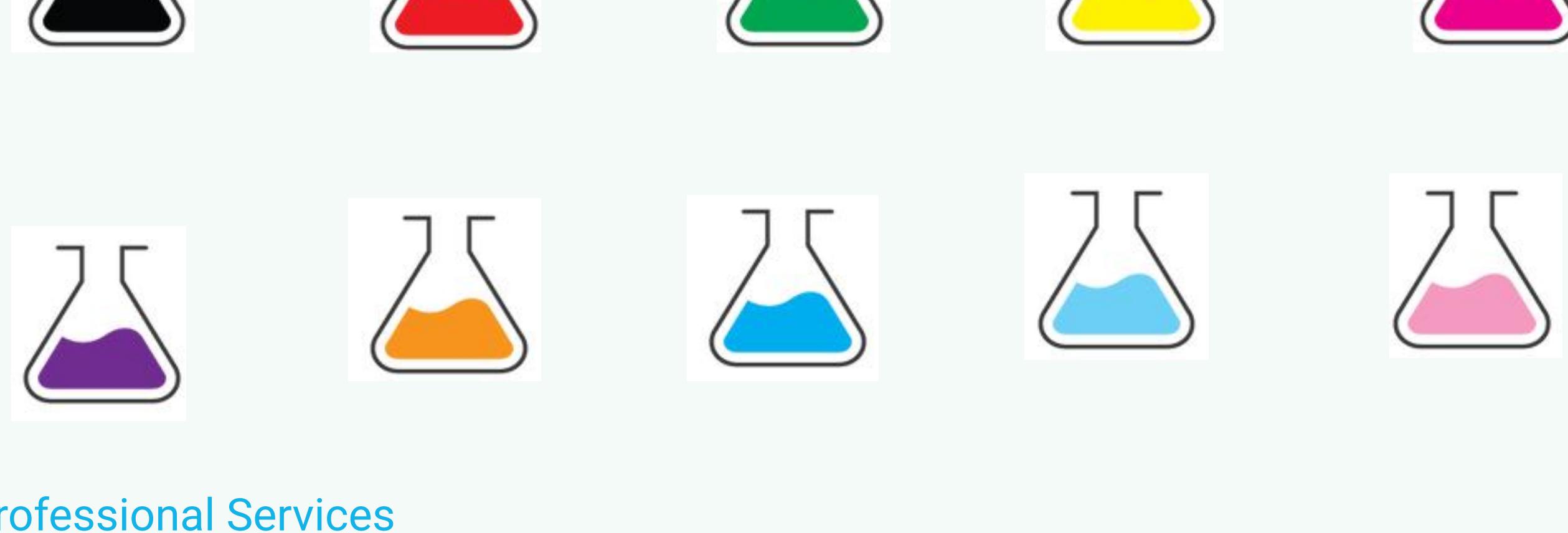
We also don't recommend writing on the back of page when using these pens, because the heat may transfer to the other side, causing unwanted erasing.

Thermosensitive ink is the most popular and reliable ink that can be erased. The ink will react and become transparent at temperatures above 140 F (60°C), making your mark look like it has been erased. Because of its heat-reacting properties, the ink may reappear when temperatures reach below -15°C. Since this kind of ink is sensitive to heat, it is best to keep pens and writing away from excessively hot or cold temperatures to prevent unnecessary color changes.

We also don't recommend writing on the back of page when using these pens, because the heat may transfer to the other side, causing unwanted erasing.

Thermal erasable ink is difficult to obtain pure black, so most black inks are dark gray or gray-black. Other colors are also softer than the colors in the non-erasable pen.

Optional Ink Colors



Professional Services

Ink Kitchen Development

Ink/Fluid Development

Ink/Fluid Stabilization

Ink/Fluid Optimization

Ink/Fluid Characterization

Component Suitability Testing



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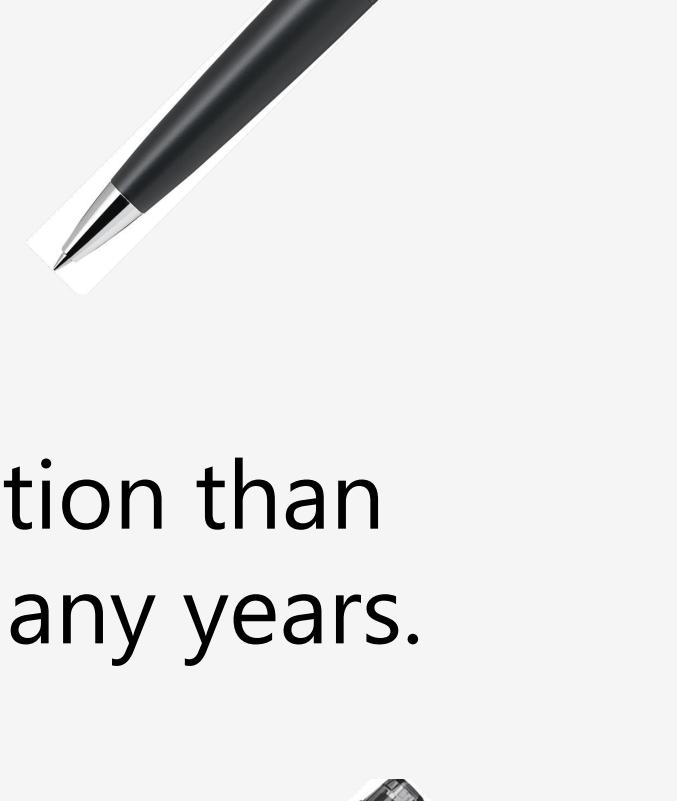
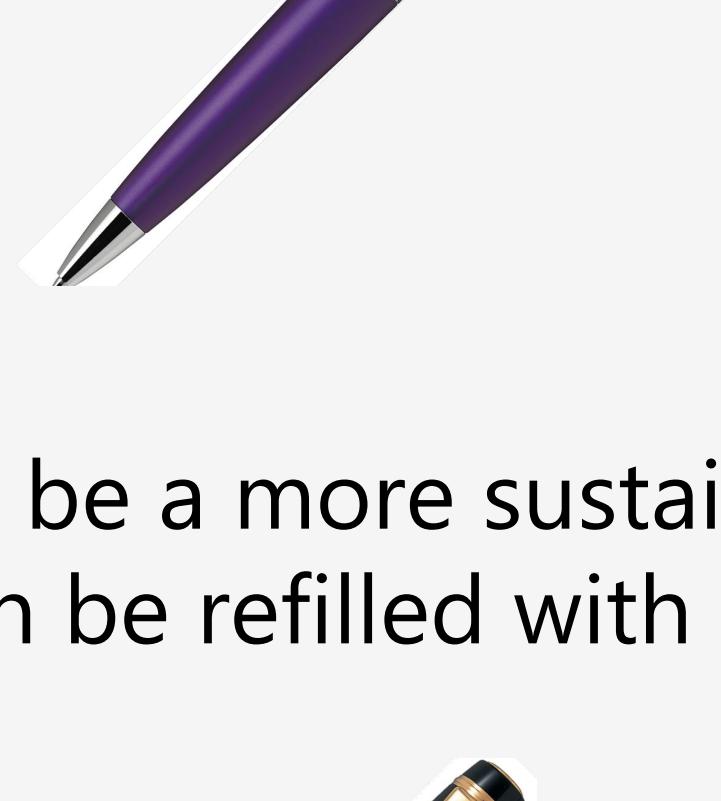
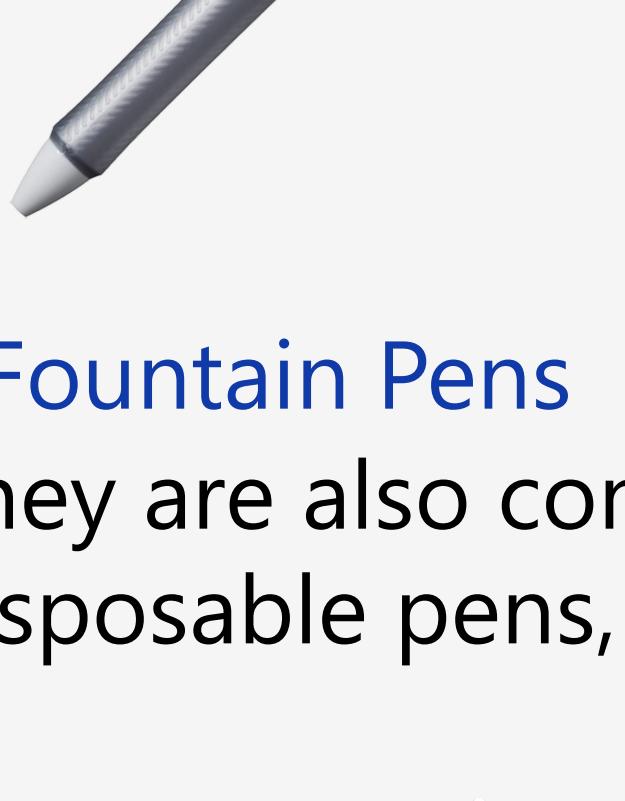
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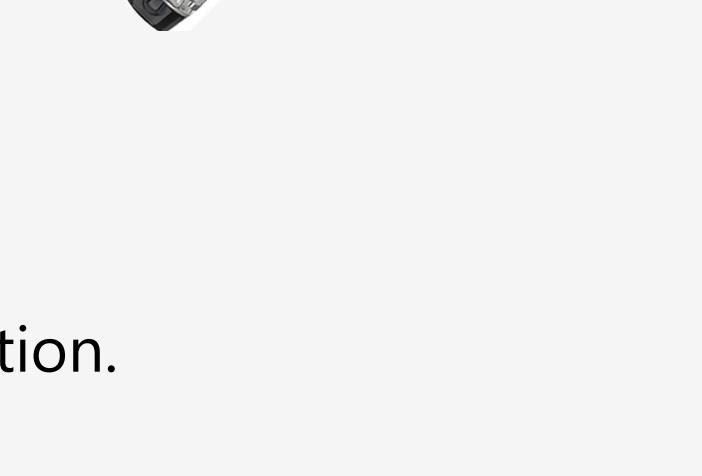
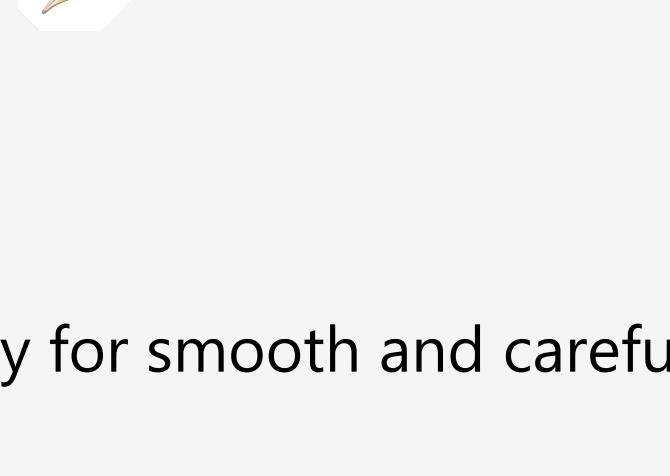
Ballpoint Pens

Reliable and smooth everyday ballpoints for those who need a pen to write every time.



Fountain Pens

They are also considered to be a more sustainable option than disposable pens, as they can be refilled with ink for many years.

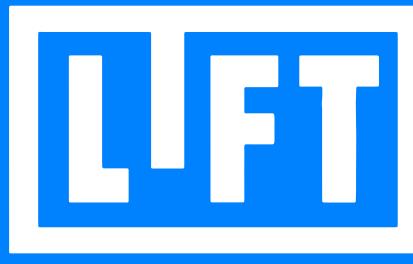


Rollerball

Advanced needlepoint technology for smooth and careful line production.



You can effectively use a thermochromic ink pen to create captivating color-changing artwork or written messages. Enjoy the fascinating interplay of temperature and color!



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Contact us

Sales inquiries

Call +1 514 123 4567

Customer support

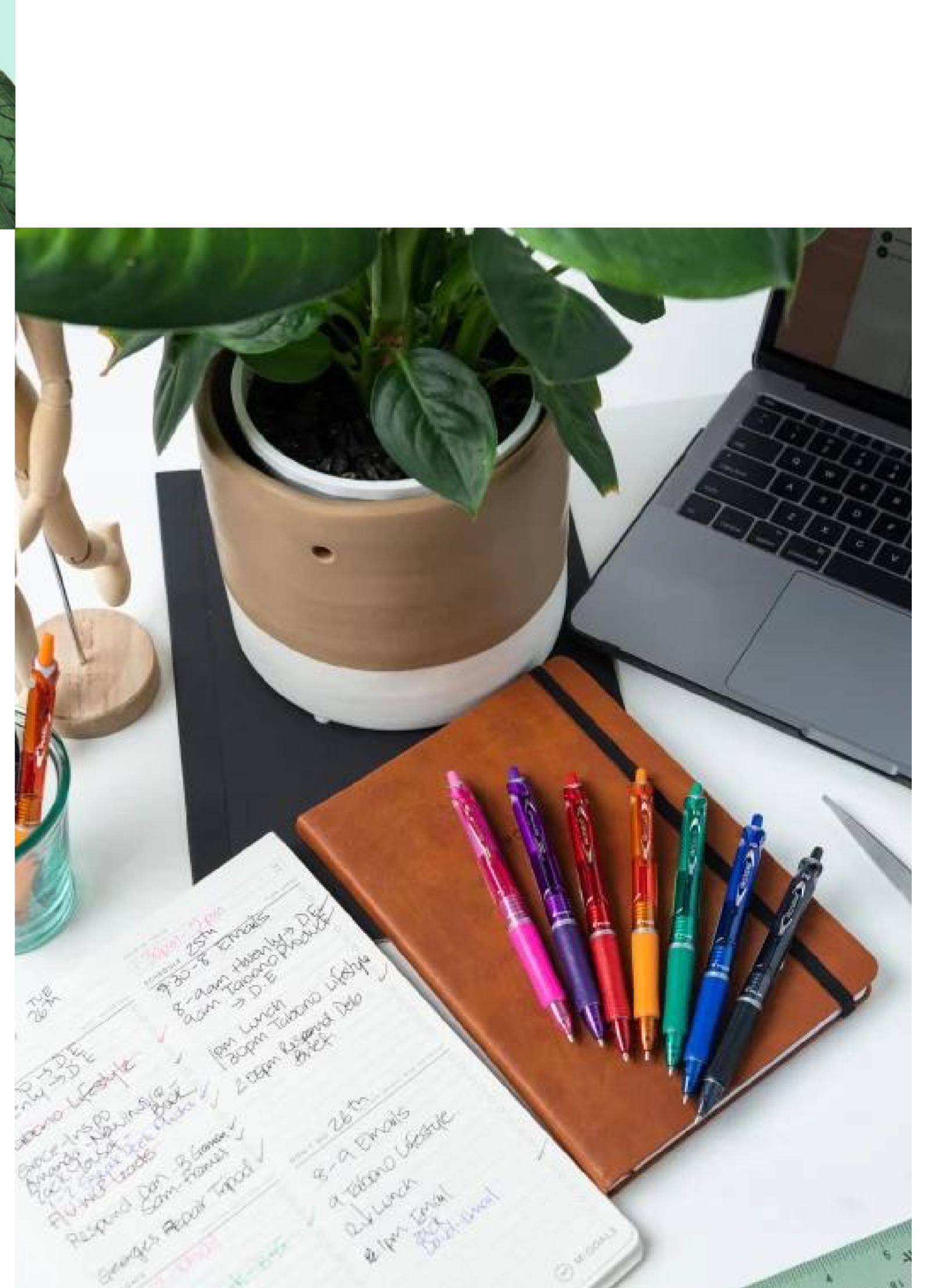
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