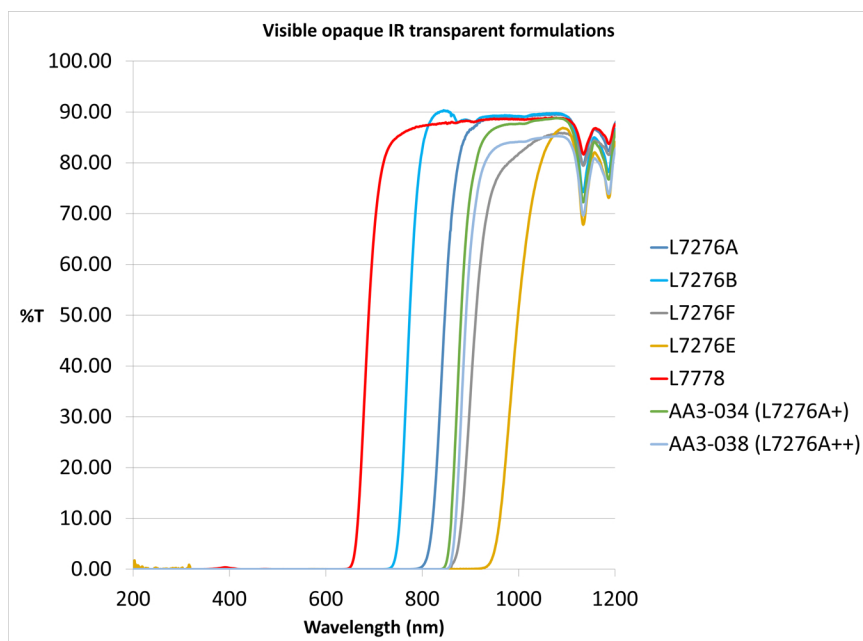




Visible Opaque Dyes

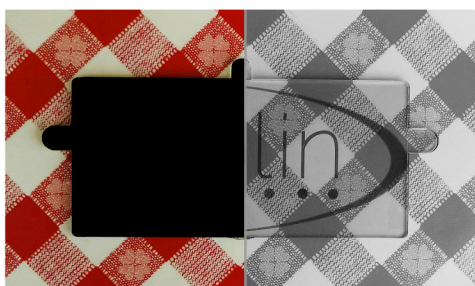
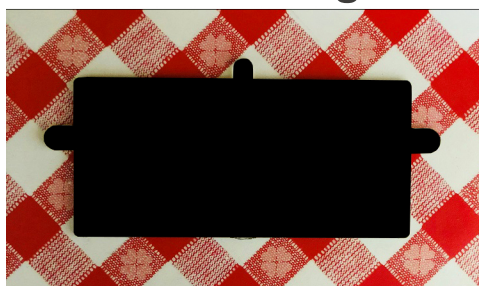
Epolin Visible Opaque dyes are well suited to aesthetically hide cameras and sensors by masking them with a visibly dark, opaque color. These devices are still able to operate in the infrared space with very high transmission through the material.



By combining Visible Opaque dyes along with NIR dyes it is possible to improve signal to noise ratios and build filters that enable the camera or sensor to see the environment without ambient noise.

These products are known as near infrared cut-on filters or long wavelength band-pass filters. They are designed to block UV and visible light while transmitting NIR light.

Visible Light



Near Infrared



Contact us for additional information
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Visible Opaque Dyes

Epolin Visible Opaque Dyes are available for both solvent and thermoplastic applications. These Products are designed to block UV and Visible light while transmitting NIR Light.

dye powder	blocks, nm	*transmits, nm
Epolight 7527A	200-675	>835
Epolight 7527B	200-695	>850
Epolight 7527C	200-835	>900
Epolight 7527D	200-875	>950
Epolight 7527E	200-920	>985
Epolight 7527F	200-975	>1035
Epolight 7527G	200-1065	>1185

Solvent Applications

Epolight™ dye powders are designed for addition to solvent systems such as screen inks or other coating systems. These products allow for very thin layers of the Visible Opaque Dye in your application.

Epolight™ dye powder	Luminate™ pellet	blocks, nm	*transmits, nm	Visible color
Epolight 7778	Luminate 7778	200-650	>720	deep purple
Epolight 7276B	Luminate 7276B	200-750	>795	black
Epolight 7276A	Luminate 7276A	200-830	>880	black
Epolight 7276F	Luminate 7276F	200-860	>986	black
Epolight 7276E	Luminate 7276E	200-950	>1050	black
Epolight 7856	Luminate 7856	14% VLT	>770	gray

Thermoplastic Applications

Epolin offers Epolight™ dye powders for addition into thermoplastic systems as well as a ready-to-mold Luminate™ thermoplastic pellet or your injection molded product.

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