

Silicone Coloured Inks



Polymer Systems
Technology Limited

Typically inks do not adhere well to silicone and fail when introduced to extreme conditions or silicone substrates. NuSil Technology offers silicone inks designed to address this challenge. The R-1008-X silicone ink series is non-corrosive and features excellent adhesion to a variety of substrates, especially to other silicones. The unique materials are one-part, flowable silicone dispersions that cure at room temperature when exposed to atmospheric moisture. Silicone primers, such as SP-120 and SP-121, are also available and can improve adhesion to more difficult non-silicone substrates. R-1008 is available in eight standard colors (white, black, red, orange, yellow, green, blue and violet – see chart below) and a translucent unpigmented version. As an added convenience, the R-1008 is ready to be applied using a variety of production printing methods such as pad printing or screen printing systems. Application thickness may cause colour variance.

Common Applications

- Cured & Molded Silicone Parts
- Components with abrasion requirements
- High reliability coatings under harsh environments

Customization

Custom colors and formulizations are available upon request. NuSil Technology has the capability to utilize the Pantone Matching System (PMS) and Federal Standards to meet your colour requirements.

Typical Properties

Cure System	Cure Time	Solvent Carrier	Viscosity	Mix Ratio	Operating Temperatures
Oxime	24 Hr Minimum	30% Xylene	1,150 cPs	1 part	-50°C to 200°C

R-1008-0 Clear	R-1008-1 White	R-1008-2 Black	R-1008-3 Red	R-1008-4 Orange	R-1008-5 Yellow	R-1008-6 Green	R-1008-7 Blue	R-1008-8 Purple
N/A -Clear-								

It is the sole responsibility of each purchaser to ensure that any use of these materials is safe and complies with all applicable laws and regulations. It is the user's responsibility to adequately test and determine the safety and suitability for their applications and NuSil Technology makes no warranty concerning fitness for any use or purpose.

ABOUT PST

Polymer Systems Technology Limited was established in 1994, and is located in High Wycombe, approximately 25 miles west of London. The company has grown progressively since then, moving to newly built premises consisting of 6,000 square feet in 2005.

PST is a company committed to meeting the agreed requirements of our customers, both internal and external, on time, every time, and to be a diligent supplier of polymers without detrimental harm to the environment. Product quality and safety in use are of paramount concern to us. It is for this reason that registration to the approved quality standards was sought.

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