

MED50-4800-1

Color masterbatch for liquid silicone elastomers

DESCRIPTION

- A translucent white, single component masterbatch, with the consistency of a low viscosity paste
- Consists of pigment dispersed in a vinyl-functional silicone polymer which covalently bonds into the matrix of platinum-cured silicone systems

APPLICATION

- For easy and more precise pigmentation of liquid silicone rubbers and low consistency elastomers suitable for injection molding
- Reduces production time and eliminates use of powders that may contaminate clean room environments
- Strict quality controls ensure color consistency

NuSil™ MED50-4800-1 may be considered for use in human implantation for a period of greater than 29 days.

PROPERTIES

| Typical Properties | Average Result | Standard | NT-TM |
|---------------------------------------|-------------------|-------------------------|-------|
| Uncured: | | | |
| Appearance | Translucent White | ASTM D2090 | 002 |
| Tissue Culture (Cytotoxicity Testing) | Pass | USP <87> ISO 10993-5 | 061 |

The above properties are tested on a lot-to-lot basis. Do not use as a basis for preparing specifications. Please [contact](#) NuSil Technology for assistance and recommendations in establishing particular specifications.

INSTRUCTIONS FOR USE

The color masterbatch is supplied as a single component material. Stirring the material prior to use is recommended to ensure homogeneity. Combine the masterbatch with liquid silicone rubber or low consistency materials through manual mixing or by using a third line on an injection molding machine. Suggested concentration is 2 pph masterbatch by weight. The biological testing performed in support of these products does not cover masterbatch concentration in excess of 4 pph. Combine and cross-blend components until thoroughly mixed. Take the usual precautions to avoid contamination of the materials.

CUSTOM COLORS

Custom colors, obtained through the blending of eight base colors, are available upon request. Please [contact](#) NuSil Technology for further information.

FDA MASTER FILE

A Master File for MED50-4800-1 has been filed with the U.S. Food and Drug Administration. Customers interested in authorization to reference the Master File must [contact](#) NuSil Technology.

REACH COMPLIANCE

Please [contact](#) NuSil Technology's Regulatory Compliance department with any questions or for further assistance.

SPECIFICATIONS

Do not use the properties shown in this technical profile as a basis for preparing specifications. Please [contact](#) NuSil Technology for assistance and recommendations in establishing particular specifications.

WARRANTY INFORMATION

The warranty period provided by NuSil Technology LLC (hereinafter "NuSil Technology") is 12 months from the date of shipment when stored below 40°C in original unopened containers. Unless NuSil Technology provides a specific written warranty of fitness for a particular use, NuSil Technology's sole warranty is that the product will meet NuSil Technology's then current specification. NuSil Technology specifically disclaims all

Packaging

50 Gram
1 Pint (455 g)
1 Gallon (3.64 kg)
5 Gallon (18.2 kg)

Warranty

12 Months

other expressed or implied warranties, including, but not limited to, warranties of merchantability and fitness for use. The exclusive remedy and NuSil Technology's sole liability for breach of warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. NuSil Technology expressly disclaims any liability for incidental or consequential damages.

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NuSil Technology believes, to the best of its knowledge, that the information and data contained herein are accurate and reliable. The user is responsible to determine the material's suitability and safety of use. NuSil Technology cannot know each application's specific requirements and hereby notifies the user that it has not tested or determined this material's suitability or safety for use in any application. The user is responsible to adequately test and determine the safety and suitability for their application and NuSil Technology makes no warranty concerning fitness for any use or purpose. NuSil Technology has completed no testing to establish safety of use in any medical application.

NuSil Technology has tested this material only to determine if the product meets the applicable specifications. (Please [contact](#) NuSil Technology for assistance and recommendations when establishing specifications.) When considering the use of NuSil Technology products in a particular application, review the latest Material Safety Data Sheet and [contact](#) NuSil Technology with any questions about product safety information.

Do not use any chemical in a food, drug, cosmetic, or medical application or process until having determined the safety and legality of the use. The user is responsible to meet the requirements of the U.S. Food and Drug Administration (FDA) and any other regulatory agencies. Before handling any other materials mentioned in the text, the user is advised to obtain available product safety information and take the necessary steps to ensure safety of use.

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