MED2-4900

Barium sulfate healthcare silicone masterbatch

DESCRIPTION

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

APPLICATION

- For easy and more precise addition of Barium Sulfate to 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

NuSil® MED2-4900 shall not 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	White	ASTM D2090	002
Non-Volatile Content	98.1%	ASTM D2288	004
Specific Gravity	1.55	ASTM D891, D1475	022
Cured: 5 minutes at 150°C (302°F). Stabilize for 3 hours minimum at ambient temperature and humidity.			
Tissue Culture (Cytotoxicity Testing)	Pass	USP <87> ISO 10993-5	061

The test data shown for this material is the average value for typical properties. All of these properties may not be tested on a lot to lot basis and cannot be used to draft specifications. Please contact NuSil for assistance and recommendations in establishing limits for product specifications.

INSTRUCTIONS FOR USE

MED2-4900 is a single component material with a fixed Barium Sulfate concentration of 50%. Combine MED2-4900 in desired proportions with other LSR materials by manual mixing or using a third line on an injection molding machine. Combine and cross-blend components until thoroughly mixed. Take the usual precautions to avoid contamination of the materials. For further information, please see Mixing Masterbatches - Guidelines for Mixing a Barium Sulfate Masterbatch into a Silicone Product.

FDA MASTER FILE

For customers interested in a Master File for this product, please contact NuSil.

REACH COMPLIANCE

Please contact NuSil's Regulatory Compliance department with any questions or for further assistance.

SPECIFICATIONS

Do not use the typical properties shown in this technical profile as a basis for preparing specifications. Please contact NuSil for assistance and recommendations in establishing limits for product specifications.

WARRANTY INFORMATION

The warranty period provided by NuSil Technology LLC is 12 months from the date of shipment when stored below 40°C in original unopened containers. Unless NuSil provides a specific written warranty of fitness for a particular use, NuSil's sole warranty is that the product will meet NuSil's then current specification. NuSil specifically disclaims all other expressed or implied warranties, including, but not limited to, warranties of merchantability and fitness for use. The exclusive remedy and NuSil'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 expressly disclaims any liability for incidental or consequential damages.

WARNINGS ABOUT PRODUCT SAFETY

Packaging	Warranty
1 Pint (0.455 kg) 5 Gallon (18.2 kg)	12 Months

NuSil 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 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 makes no warranty concerning fitness for any use or purpose. NuSil has completed no testing to establish safety of use in any medical application.

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

PATENT / INTELLECTUAL PROPERTY WARNING

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