

CAT-102

Peroxide catalyst masterbatch

DESCRIPTION

- Peroxide catalyst masterbatch for use with high consistency silicone systems
- Di(2,4-dichlorobenzoyl)peroxide at 50% concentration in silicone oil

APPLICATION

- To vulcanize silicone elastomer systems for calendaring, extrusion, or transfer and compression molding applications

PROPERTIES

Typical Properties	Average Result	Standard	NT-TM
Appearance	Off white homogeneous paste	ASTM D2090	002

Properties tested on a lot-to-lot basis. 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.

INSTRUCTIONS FOR USE

On a two roll mill, soften the silicone elastomer to a smooth consistency. Add CAT-102 and thoroughly blend into product, taking care not to generate excess heat. The amount of peroxide needed for a given application often cannot be determined accurately by theory or laboratory experiments. The most practical way to establish the correct amount of catalyst is to experiment using the elastomers and equipment that will be used for production.

Caution

During vulcanization, oven-curing, and post-curing, vapors containing polychlorinated biphenyl (PCB), and other residual volatile byproducts of vulcanization may be released in small amounts, which may be harmful. Work areas must be well

Packaging

50 Gram
100 Gram
1 Pint (455 g)

Warranty

6 Months

ventilated, and workers should avoid inhalation of vapors. Review the Material Safety Data Sheets for specific information.

STORAGE

CAT-102 is a relatively unstable compound and can undergo degradation over time. To minimize this effect a storage

temperature below 30°C is recommended. Refrigerating or freezing this product in closed containers will not adversely affect this product and may serve to further extend its useable life.

Store CAT-102 in closed containers away from heat, sources of ignition and materials such as acids, amines, alkalis and heavy metal compounds.

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 6 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 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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