

MED3-4102

Titanium Dioxide Masterbatch

Product Profile

Description

- A Titanium Dioxide masterbatch consisting of 75% by weight Titanium Dioxide (U.S.P. Grade) in a vinyl-terminated polydimethylsiloxane gum polymer matrix
- Homogeneity of masterbatch minimizes Titanium Dioxide agglomerates

Applications

- For easy and more precise additions of Titanium Dioxide to high consistency silicone materials, which may be molded, calendared or extruded
- Eliminates use of powders that may contaminate clean room environments
- Reduces production time

NuSil Technology's MED3-4102 is a restricted product. It shall not be considered for use in human implantation for a period of greater than 29 days.

Typical Properties	Result	Metric Conv.	ASTM	NT-TM
Appearance	White	-	D2090	002
Plasticity	70 mils	1.7	D926	058
Non-Volatile Content	99%	-	D2288	004
Specific Gravity @ 25°C (77°F)	2.27	-	D792	003

Instructions for Use

Supplied as a single component material with a fixed Titanium Dioxide concentration of 75%. Easily combine in desired proportions with other high consistency materials on a two-roll mill. Combine and cross-blend components until thoroughly mixed. Take the usual precautions to avoid contamination of the high consistency material with which the product is mixed.

Warnings About Product Safety

NuSil Technology believes the information and the data contained herein are accurate and reliable. However, 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, obtain available product safety information and take the necessary steps to ensure safety of use.

Packaging

1 Pound (450 g)
 5 Pound (2.27 kg)
 25 Pound (11.38 kg)

Warranty

36 Months

Specifications

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

Patent Warning

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Warranty Information

NuSil Technology's warranty period is 36 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 any other expressed or implied warranty, including 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.