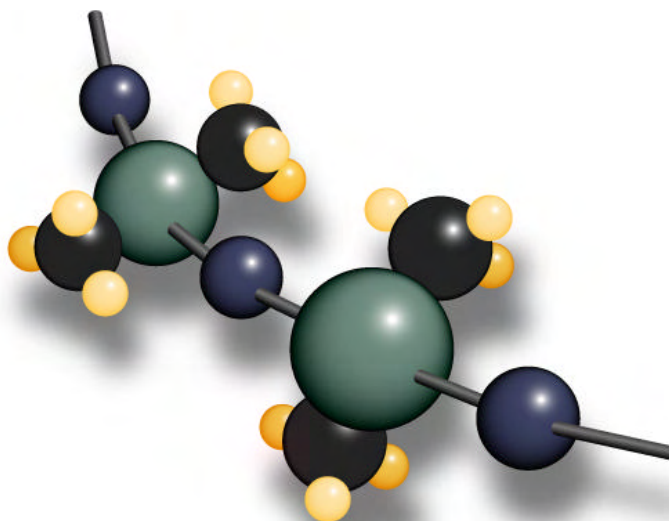


Polymer Systems Technology Limited

UK & Ireland Distributor



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S-7201

Electrical Grade Silicone Fluid

Product Profile

NuSil Technology

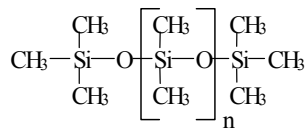
1050 Cindy Lane • Carpinteria, CA 93013

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An ISO 9001 Certified Company

Description



- A clear dimethyl polysiloxane fluid
- Available in 2 million and 2.5 million cP viscosities
- Designed to meet the requirements of federal specification VV-D-1078 for silicone base damping fluids
- Use of a proprietary catalyst during polymerization offers improved thermal stability

Applications

- For maximum vibration control and damping in dash pots for time delay relays, pulsation dampers and meter movements
- Use as the working media in fluid clutch and fluid drive systems in the aerospace and automotive industry
- Consider for use as heat transfer materials, coatings, release agents and performance additives

Typical Properties	Result	Metric Conv.	ASTM	NT-TM
Specific Gravity @ 25°C (77°F)	0.98	-	D792	003
Appearance	Translucent	-	D2090	002
Refractive Index	1.403	-	D1747, D1218	018
Volatility	2% max	-	D792	004
Acid Number	0.01	-	D974	094
Flash Point (open cup)	600°F	315°C	-	092
Dielectric Strength	400 volts/mil	15.7 kV/mm	D149	-
Dielectric Constant @ 100 KHz	2.77	-	D924	-
Operating Temperature Range	-40 to 395°F	-40 to 200°C	-	-

Warnings About Product Safety

NuSil Technology believes that the information and 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 Sheets 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 Pint Kit (455 g)
1 Gal Kit (3.64 kg)
5 Gal Kit (18.2 kg)

Warranty

6 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

NuSil Technology disclaims any expressed or implied warranty against the infringement of any patent. NuSil Technology does not warrant the use or sale of the products described herein will not infringe the claims of any United States' or other country's patents covering the product itself, its use in combination with other products or its use in the operation of any process.

Warranty Information

NuSil Technology's warranty period 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 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.