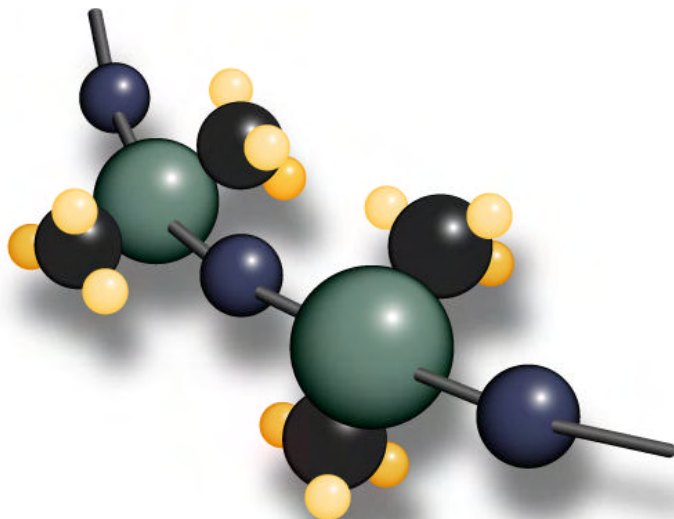


# Polymer Systems Technology Limited

UK & Ireland Distributor



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Unit 2. Network 4. Cressex Business Park,  
Lincoln Road, High Wycombe, Bucks. HP12 3RF  
Phone +44 (0) 1494 446610  
Fax: +44 (0) 1494 528611  
Web: <http://www.siliconepolymers.co.uk>  
Email: [sales@silicone-polymers.co.uk](mailto:sales@silicone-polymers.co.uk)



# S-7400

High/Low Temperature Silicone Fluid

## Product Profile

**NuSil Technology**

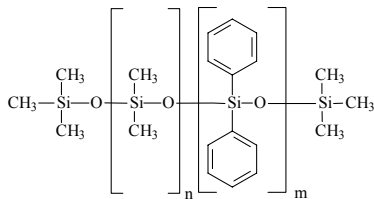
1050 Cindy Lane • Carpinteria, CA 93013

805/684-8780 • 805/566-9905 Fax

[www.nusil.com](http://www.nusil.com)

An ISO 9001 Certified Company

### Description



- A clear dimethyl, diphenyl polysiloxane fluid
- Available in viscosities from 40,000 to 2.5 million centistokes
- Diphenyl content 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 a lubricant, coating, release agent and performance additive
- Provides high and low temperature stability, oxidation resistance, very low vapor pressure, low surface temperature, high flash point and optimum radiation and oxidation resistance

Typical Properties	Result	Metric Conv.	ASTM	NT-TM
Specific Gravity @ 25°C (77°F)	1.01	-	D792	003
Appearance	Translucent	-	D2090	002
Refractive Index	1.429	-	D1747, D1218	018
Volatile Content	4% max	-	D792	004
Acid Number	0.01	-	D974	094
Particulate Matter, Screen Mesh Passed	325	-	-	060
Flash Point (open cup)	600°F	315°C	-	-
Dielectric Strength	400 volts/mil	15.7 kV/mm	D149	-
Dielectric Constant @ 100 Khz	2.77	-	D924	-
Volume Resistivity	1 x 10 <sup>15</sup>	-	D257	040
Vapor Pressure @ 392°F	1 x 10 <sup>-2</sup>	-	-	-
Operating Temperature Range	-85 to 500°F	-65 to 260°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.

#### Packaging

1 Pint (455 g)  
1 Gal (3.64 kg)

#### Warranty

12 Months

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.

## **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 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 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.