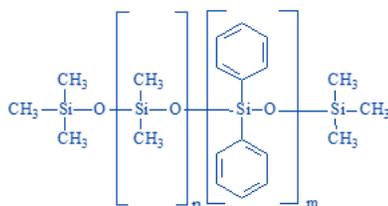


S-7400

High/low temperature silicone fluid

DESCRIPTION



- A clear dimethyl, diphenyl polysiloxane fluid
- Available in viscosities from 40,000 to 2.5 million centistokes
- Diphenyl content offers improved thermal stability

APPLICATION

- 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

PROPERTIES

Typical Properties	Average Result	Metric Conv.	Standard	NT-TM
Appearance	Translucent	-	ASTM D2090	002
Specific Gravity at 25°C (77°F)	1.01	-	ASTM D792	003
Refractive Index	1.429	-	ASTM D1747, D1218	018
Volatile Content	4% max	-	ASTM D792	004
Acid Number	0.01	-	ASTM 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	ASTM D149	-
Dielectric Constant at 100 Khz	2.77	-	ASTM D924	-
Volume Resistivity	1 x 10 ¹⁵	-	ASTM D257	040

Typical Properties	Average Result	Metric Conv.	Standard	NT-TM
Vapor Pressure at 200°C (392°F)	1 x 10 ⁻²	-	-	-
Operating Temperature Range	-85 to 500°F	-65 to 260°C	-	-

* 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.

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

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

Packaging	Warranty
1 Pint (0.455 kg)	12 Months

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.

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