

# SILISIL Paste 4

## Technical Data Sheet

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### 1. DESCRIPTION

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SILISIL Paste 4 is a grease-like compound containing a PMDS silicone fluid with an inert silica filler. It presents the following special features:

- Food grade (NSF H1)
  - Low volatility
  - Boric acid free
  - Good consistency from -40 °C to 200 °C
  - Good thermal oxidation and chemical stability
  - Moisture resistant
  - Highly water repellent
  - Can be diluted in aliphatic (i.e. white spirit), chlorinated solvent or MEK
  - Odorless
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### 2. MAIN AREAS OF APPLICATION

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- Lubrication of the moving parts of machines and equipment for processing or packaging food
  - Lubrication of taps, valves, etc.
  - Lubrication of small systems and domestic appliances
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### 3. APPLICATION

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The surfaces to be applied on must be clean, dry, and dust-free (degreased if necessary). The product could be applied with a brush, with a paint brush, with a spatula or with a paste gun.

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## 4. IMPORTANT RECOMMENDATIONS

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- Before handling the product, read the safety data sheet and make sure to get all the information required for safe use.
  - Test the product in small scale quantity before extending the use in larger scale.
  - This product is not suitable to be used in cosmetic, medical, human injection, and pharmaceutical applications.
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## 5. TECHNICAL DATA

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Physical Properties	Value
Consistency NLGI	4
Minimum Temperature Service	-40 °C
Maximum Temperature Service	200 °C
Worked Penetration (60 strokes) - max	175 – 205 mm/10
Bleed (30h/200 °C) – max	6 %
Evaporation (30h/200 °C) – max	2 %
Melting Point	None
Relative Density at 25 °C	980 kg/m <sup>3</sup>
Dielectric strength	20 kV/mm
Dielectric constant at 1 kHz	5x10 <sup>-4</sup>
Power factor at 1 kHz	5x10 <sup>-4</sup>
Volume resistivity at 23 °C – min	1x10 <sup>13</sup> Ω cm
Boric Acid Free	YES
Food Grade	NSF H1

### Compatibility

Silicone Oils and Phenyl Trimethicone	Compatible
Aliphatic, Aromatic and Chlorinated Solvents	Compatible
Isopropyle Myristate	Compatible
Ethylhexyl Salicylate	Compatible
Mineral Oils	Weak
Organic Oils	Weak
Ethanol	Weak
Propylene Glycol	Insoluble
Water	Insoluble

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## 6. PACKAGING

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SILISIL Paste 4 is available as standard in 100 g, 200 g, 1 kg, 5 kg, 25 kg, and 200 kg containers. Other container sizes are available upon request

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## 7. SAFETY INSTRUCTIONS

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Before handling the product, read the safety data sheet and ensure that you have all the information required for safe use.

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## 8. IMPORTANT NOTE

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This document contains information provided to the best of our knowledge and belief, based on the current state of our understanding. This information is for guidance only and does not constitute any obligation on our part, particularly in the event of an infringement of third-party rights through the use of our products. This information should be supplemented by preliminary testing to ensure the product's suitability for its intended purpose.

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