

Technical Data Sheet



A solution by Caldic



CALSIL
Machinery & Equipment

PASTE 4 FG

1. Product Description:

Grease like compound containing a PMDS silicone fluid an inert silica filler.

2. Key Properties

- Food grade (NSF H1)
- Low volatility
- Boric acid free

3. Benefits

- 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

4. Applications

Is a perfect choice for:

- Lubrication of the moving parts of machines and equipment for processing or packaging foodstuffs.
- Lubrication of taps, valves, etc.
- Lubrication of small system and domestic appliances.

5. Typical Properties (not for sales specifications, please contact us prior to writing sales specs)

6.

Physical Properties	Units	Value
Consistence NLGI		4
Minimum Temperature service	°C	-40
Maximum Temperature service	°C	200
Penetration unworked	mm /10	175-205
Penetration worked 60 strokes - max	mm /10	220-250
Bleed (30h / 200°C) - max	%	6
Evaporation (30h / 200°C) - max	%	2
Melting point	° C	None
Relative density at 25°C	kg/m ³	1010
Dielectric strength	kV/mm	20
Dielectric constant at 1 kHz		2.74
Power factor at 1 kHz		5x10 ⁻⁴
Volume Resistivity at 23 °C - min	Q cm	1x10 ¹³
Boric Acid FREE		YES
Food grade		NSF H1

6. How to Use

It is recommended to be applied on clean and dry surfaces (degreased if necessary). The product could be applied with a brush, with a paint brush, with a spatula or with a paste gun.

7. 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

8. Safety Handling Information

Product Information relative to security, physical and health hazards are in the Material Safety Data Sheet (MSDS) supplied with the product or upon request.

9. Storage and Shelf Life

This product should be stored in its original unopened containers at a temperature between +2°C and +30°C. Keep away from fire, sunlight and rain during storage and transportation. It can be used within the 60 months following its production date.

10. Packaging

Available in 25 kg and 5kg pails, 1kg tubs (8pc/box), 100 g tubes (100pc/box)

11. Restrictions

This ingredient is not suitable to be used in cosmetic, medical, human injection, pharmaceutical applications..

12. Limited Warranty PLEASE READ CAREFULLY

- The information herein is offered in good faith. It is believed to be accurate at the time of shipment.
- It should not be used as a substitute for the customer's test, the customer bears the responsibility to ensure that the product matches the intended application is safe and achieves the desired benefits.
- The product warranty is limited to the refund value of the purchase or the replacement only when it is demonstrated that the product is out of the agreed sales specifications.
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For more information, please contact our nearest office:

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