

## SILICON-100 & 350 (High Vacuum Grease)

### DESCRIPTION

**SILICON-100 & 350** is non-melting heavy consistency high vacuum grease specially designed with nontoxic materials, offers good resistance to solvents, no harm for plastics or rubbers, good adhesive sealant, non-melting. Suitable for lubrication in valves used in chemical industries and hot and cold-water lines. This grease excellent thermal stability, Water repellency, Ditectric application chemical inertness and maintains its consistency over a wide temperature range. It has exceptional sealing ability which makes this grease ideal for vacuum & pressure system handling equipment's. In addition, this grease is useful as lubricants for plastic, Rubber to Plastic & Rubber to Metal assemblies. Also, it is used as releasing agent in epoxy, Polyester, PVC & Polystyrene moldings.

### APPLICATIONS

- Recommended for applications where continuous high temperatures or intermittent very high temperatures are experienced. The maximum usable temperature for Hi-Temp Grease for extended service of Wide operating temperature range-40°C to 260°C (-58°F to 384°F)
- It is recommended for versatile application in high vacuum systems for plastic, Rubber to Plastic & Rubber to Metal assemblies. Also, it is used as releasing agent in epoxy, Polyester, PVC & Polystyrene moldings, Laboratory and industrial stop-cocks for chemical duty, Sealant for air-lines control valves and pneumatic systems. Mould release agent to Epoxy, Polystyrene, PVC Thermoplastics O- Rings, packing's and other rubber assemblies
- It can also be used in ambient temperature applications such as roll neck bearings where high resistance to water washing is needed.

### ADVANTAGES & BENEFITS

- This grease excellent thermal stability, Water repellency, Ditectric application chemical inertness and maintains its consistency over a wide temperature range.
- It has exceptional sealing ability which makes this grease ideal for vacuum & pressure system handling equipment's.

### PROPERTIES

SPECIFICATIONS	SILICON-100	SILICON- 350
Consistency NLGI	3	
Color & Appearance	Light gray, Translucent White & Smooth Tacky Paste	
Base Oil Type	Silicone	
Viscosity @25°C	150- 320	
Drop Point	None	
Worked Penetration	200 -250	
Water Resistance	0-90	
Copper Strip Corrosion	Negative	
Operating Range °C	-40°C to 260°C (-58°F to 384°F)	
Evaporation, % loss 24 hrs. @200°C	2	
4-Ball Weld Load in kgs	250	
Bleed, % 24 hrs. @200°C	0.5	
Dispersibility	Dispersable in Aromatic and Chlorinated solvent such as Xylene, Toluene, Carbon Tetra-chloride and Trichloroethylene.	

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