SILICONE GREASE HN

Dielectric Silicone Grease · Valve & O-Ring Lubricant · NLGI 2

DESCRIPTION

Provides excellent lubrication and sealing for plug and gate valves where copper- or graphite-based compounds cannot be used. Clear and clean, it won't carbonise, and is an effective mould release for epoxy, polystyrene, PVC and polyester resins. Ideally suited to sub-zero processing facilities and spiral freezers. Its low volatility, non-melting thickener and high dielectric strength make it the compound of choice for protecting electrical connections from short circuits, moisture-proofing ignition systems, spark-plug connections, electrical assemblies, cable and battery terminals — and as a valve and O-ring lubricant, from small hydraulic piston assemblies to high-vacuum laboratory sealant.

FEATURES

- High dielectric strength — 500 V/mil typical
- Moisture resistant · nontoxic / safe
- Wide temperature range -55 °C to 205 °C
- Extremely chemical resistant
- Highly resistant to oxidation and shear breakdown
- Inert to metals, plastics and most organic materials
- Insoluble in water, methyl/ethyl alcohol, glycerol or mineral oil

PERFORMANCE LEVEL

- Meets SAE AS-8660

PACK SIZES

Multiple pack sizes available on request.

PRODUCT CHARACTERISTICS

PROPERTY	TYPICAL VALUE
Thickener	Inorganic
Fluid type	Silicone
Colour / appearance	Translucent to opaque gel/paste
Dropping point (ASTM D-566)	None
Specific gravity	1.05
Density, lb/gal, typical	8.9
Operating temperature	-54 °C to 260 °C
Auto-ignition point (calculated)	600 °F (316 °C)
NLGI grade	2
Copper strip corrosion (ASTM D-4048)	1A
Oil separation, 24 h at 100 °C, % wt	<1.0
Dielectric breakdown voltage (ASTM D149), typical	>450 V/mil