

# GAZ- GR13 Dielectric Silicone Grease



## Product Description:

**GAZ- GR13** is a high viscosity no melt non hardening or carbonizing silicone grease with excellent dielectric properties. The inert thickener and extremely stable synthetic base fluid provide both physical and thermal stability.

**GAZ- GR13** is formulated with high viscosity index silicone base oils and is fortified with oxidation inhibitors. It is completely insoluble in methanol, ethanol, dilute acids and caustics, vegetable and mineral oils, glycols, and water. All components conform to NSF H-1 rated approval and can be utilized in applications where there may be incidental food contact or in potable water systems.

## No Melt, Inert Thickener in High Viscosity Silicone Oil

## Applications:

The long service life and chemical resistance of **GAZ-GR13** makes it an excellent lubricant and sealant for many valves including plug, pressure, vacuum and control. It is also a very effective lubricant for O-rings and other rubber or plastic applications. **GAZ-GR13** is also effective in applications that require temperature and mechanical stability which include fire extinguisher, water faucet valves, water softener valves, lock mechanisms, flow meter bearings, electrical assemblies and terminals.

## Typical Properties:

**TABLE 1: TYPICAL BASE OIL PROPERTIES**

Property	Test Method	Units	Value
Specific Gravity @ 20 °C (77°F)	ASTM D 287	g/ml	0.98
Base Oil			Polydimethylsiloxane
Viscosity Index	ASTM D 2270		+300
Pour Point	ASTM D 97	(°F)	-(45)
Evaporation @ 250°C(482°F)	Noack	% Loss	0.9

**TABLE 2: Typical Grease Properties GAZ-GR13**

Property	Test Method	Units	GAZ-GR13
Penetration @25°(77°F)			
Unworked	ASTM D-1403	mm-1	265
Worked 60 Strokes			265
Worked 60,000 Strokes			275
Dropping Point	ASTM D-566	(°F)	none
Water Washout	ASTM D-1264	%	0.75
Color	n/a		Translucent White
Dielectric Strength, KV @25°C	ASTM D-2225		30