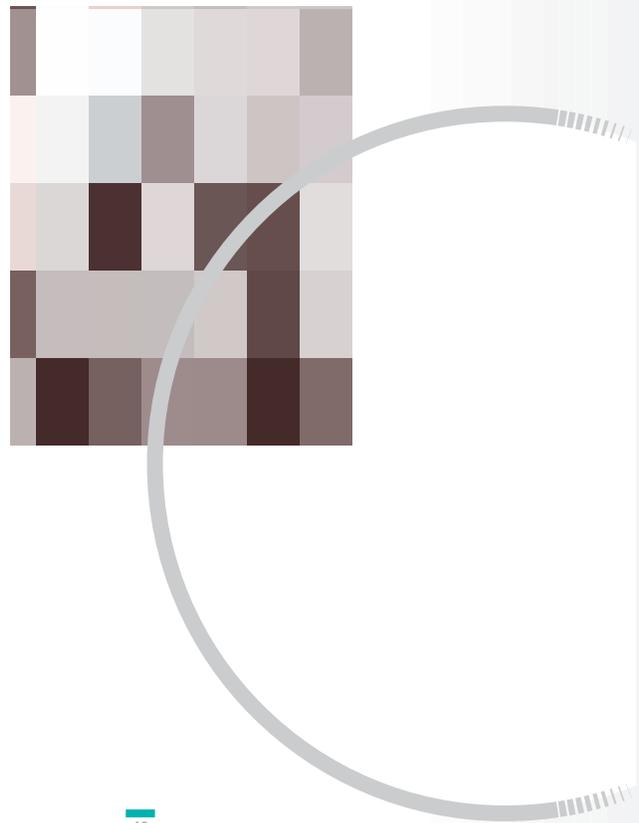


## Compounds

Silicone compounds are grease-like lubricants containing silicone fluids and inert silica fillers. They are resistant to oxidation and thermal degradation while maintaining their properties over a wide temperature range. They are designed as release agents and may be used as O-ring assembly lubricants, non-conductors of electricity, non-curing sealants and as assembly lubricants for plastic and rubber parts. Silicone compounds may be used for applications where they function in a dual role as both lubricant and sealant.



## Molykote® 111 Compound

- ▮ **Description** – Valve lubricant and sealant.
- ▮ **Applications** – Lubrication for control and pressure plug valves, water softener and faucet valves; Sealant for vacuum and pressure systems; Sealant for outdoor equipment (also shipboard) subject to washing and harsh environmental exposure: meters, electrical service entrance and underground connections; Chemical barrier coating; Rubber and plastic O-rings, gaskets and seals.
- ▮ **Features** – Good resistance to most chemicals; Wide service temperature range; Low vapor pressure; Low volatility; Excellent water resistance.
- ▮ **Composition** – Silicone oil; Inorganic thickener; Additives.
- ▮ **Temperature Range** – From -40 to +200°C
- ▮ **Packages** – Tube: 100g; Cartridge: 400g; Can: 1kg; Pails: 5kg, 25kg; Drum: 200kg

## Dow Corning® 4

- ▮ **Description** – Grease-like material containing an inert silica filler in combination with selected polydimethyl silicone fluids.
- ▮ **Applications** – A moisture-proof seal for aircraft, automotive and marine ignition systems and spark plug connections, disconnection junctions in electrical wiring systems also in electrical assemblies and terminals; Used as a seal in lubricant for cable connectors, battery terminals, rubber door seals, switches and rubber and plastic O-rings and as assembly lubricant for various metal-on-plastic and metal-on-rubber combinations.
- ▮ **Features** – High dielectric strength; Moisture-resistant; Good thermal oxidation and chemical stability; Meets MIL-S-8660C; Retains its grease-like consistency from -55°C to +200°C; Odorless; Highly water repellent.
- ▮ **Composition** – Silicone oil; Inorganic thickener
- ▮ **Temperature Range** – From -55 to +200°C
- ▮ **Packages** – Tube: 100g; Pails: 5kg, 25kg; Drum: 199,5kg

## Dow Corning® 7

- ▮ **Description** – Polydimethylsiloxane polymer.
- ▮ **Applications** – Rubber industry: Lubricant and preservative for tight fitting parts: They slide into place quickly and easily, for difficult release jobs, e.g. battery cases. Plastic industry: Release agent for epoxy resins, polystyrenes, PVC, polyesters and other plastic materials. Foundry and smelting industries: Breaking-in of new or freshly cleaned shells, for core molds. Other industries: Release agent for TNT, rocket propellants, ram heads and other parts of extruders, Release agent in forming integral seals for clay tiles.
- ▮ **Features** – Heat stable; Withstand molding temperatures up to +200°C; Minimizes build up on molds due to heat stability and resistance to oxidation; Efficient low quantities required; Inert to metals and most plastic and organic materials; Insoluble in water, methanol, ethanol, glycerol, and mineral oil.
- ▮ **Composition** – Silicone oil; Inorganic thickener.
- ▮ **Temperature Range** – From -40 to +200°C
- ▮ **Packages** – Tube: 100g; Pails: 5kg, 25kg

## Dow Corning® 340

- ▮ **Description** – Compound provides thermal coupling of electrical/electronic devices to heat sinks.
- ▮ **Applications** – Compound is applied to the base and mounting studs of transistors, diodes and silicon-controlled rectifiers. It can also serve as an effective thermal coupler for many heat sink devices where efficient cooling is required. It is also suitable for aircraft engines where heat sink properties are required.
- ▮ **Features** – High thermal conductivity; Low bleed; Stable at high temperatures.
- ▮ **Composition** – Grease-like silicone fluid thickened with metal oxide filler.
- ▮ **Temperature Range** – Resists changes in consistency at temperatures up to +177°C
- ▮ **Packages** – Tube: 100g; Pails: 10kg, 60kg