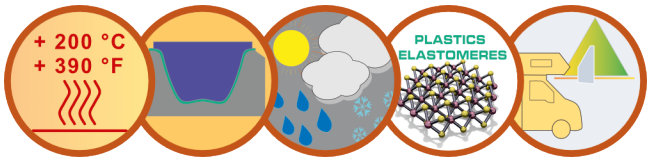

smartGLEIT®
FRICTION MEETS ENGINEERING

SP 560

SILICONE GREASE

smartGLEIT SP 560 is a homogenous, smooth silicone grease, based on a specially selected silicone oil and a thickener without drop point. The raw materials used are FDA-approved.

Product Features

smartGLEIT SP 560 is a combination of high viscosity silicone oil (polydimethyl siloxane) and an inorganic thickener system without drop point.

SP 560 is especially designed for lubrication of material pairings like metal/plastic, plastic/plastic, metal/elastomer and plastic/elastomer. It may be also used for metal/metal pairings at low loads.

Due to its low surface tension, SP 560 is showing good wetting properties. Besides lubrication, SP 560 could be used also as release agent or insulating compound.

SP 560 incorporates environmental compatibility with high product performance.

- Very high resistance against oxidation, chemically neutral
- Good chemical resistance, outstanding water and steam resistance; no resinification
- Wide service temperature range
- Not electrically conductive
- Thixotropic, good adhesion strength
- Good compatibility with many plastics and elastomers
- No hazard labelling required - all raw materials are compliant with USDA or FDA regulations
- Owing to different elastomer and plastic grades, compatibility checks of SP 560 with the actually used plastic or elastomer should be carried out

Applications - Examples

- smartGLEIT SP 560 is the recommended lubricant for friction contacts with material pairing metal/plastic, metal/elastomer or friction contacts with plastic or elastomers only. smartGLEIT 560 is suitable for low and high temperatures and for lubrication under presence of water or thin acids or alkalis.
- Typical Applications:
  - O-rings, gaskets - to facilitate assembly or for lifetime lubrication
  - Lubrication of mechanical elements with material pairing like plastic/plastic, plastic/metal, elastomer/elastomer, elastomer/metal etc.
  - Water valves, control and pressure plug valves, water faucets, etc.
  - Sealant - prevents water from entering
  - Plastic guides, slide rails
  - Assembly aid for cables
  - Damping medium for dash pots (e.g. for car interiors
  - Friction contacts metal/metal at low loads
  - and many more

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Instructions For Use

- smartGLEIT SP 560 can be applied by means of grease guns (some designs may jam - please check prior to use), automatic dosing equipment (suited for high viscous silicone grease) and also manually by spatula, lint-free cloth, brushes or the like.
- If required, a thinner consistence may be achieved by adding some organic solvent such as mineral spirits, MEK etc.
- Clean surfaces before application.
- Do not mix with other lubricants.
- Check compatibility with plastics and elastomers before serial application.
- Do not use on surfaces which have to be painted - coatings usually show defects when applied to surfaces with silicone on top. If contaminated, parts should be cleaned with organic solvent or suitable detergent.

Typical Properties – smartGLEIT SP 560

TEST/FEATURE	STANDARD/PARAMETER	UNIT	SP 560
Colour		—	colourless/withish
Base Oil		—	silicone oil
Viscosity @ 40°C	DIN 51805	mm^2/s	~12,000
Service Temperature		° C/°F	-40 to 200 / -40 to 392
Density	DIN 51757	g/cm^3	~ 1
Penetration	DIN 51804, Bl.1	mm/10	265 - 295
NLGI Class	DIN 51818	—	2
Water Resistance	DIN 51807	—	0 - 90
Usable Life (Closed Original Container)		months	36
Available Packaging	—	1 kg 5 kg 180 kg	plastic can, 6 per box plastic pail drum
Handling Instructions	—	—	see SDS