



## ZAP GREASE SILICA

**PTFE**

### Description

**ZAP Grease SILICA PTFE** is a fumed silica thickened grease based on a high viscosity synthetic base oils blend of ISO VG 320 viscosity. The grease contains very fine PTFE or Polytetrafluoroethylene as a dry lubricant. The special inorganic fumed silica thickener makes it suitable for applications at extremely high temperatures without danger of forming hard deposits. The grease contains special additives which ensure rust, corrosion, extreme pressure and wear protection for the lubricated parts

### Application

**ZAP Grease SILICA PTFE** is designed for medium and slow moving automotive and industrial applications where the grease is exposed to very high temperatures and/or frequent shock loads.

The Grease is ideal for the lubrication of conveyor bearings, heat treating operations, metalworking autoclaves, industrial kilns, tunnel ovens and other high temperature lubrication points.

Use **ZAP Grease SILICA PTFE** to lubricate plain sliding surfaces, journals and friction bearings operating at high temperature.

Operating temperature range: from -20 to 200°C (temporary up to 230°C).

### Product Data

Stock No. Z-15  
400 g Pull-Off Cartridge  
24 Cartridges per Box  
50 Boxes per Pallet  
Barcode Cartridge / Box: 4752134000611 / 4752134000635  
Other Packages on Request  
Shelf Life: 5+ years (from date of manufacture)

### Technical Specifications

ISO 6743-9: ISO-L-XBGEB 2  
DIN 51 502: KPF2S-20

### Technical Data

Characteristics	Test Method	Unit	Typical Value
NLGI grade	ASTM D 217	-	2
Thickener		-	Fumed Silica
Base Oil		-	Synthetic Blend
Base Oil Viscosity at 40°C	EN ISO 3104	mm <sup>2</sup> /s	320
Colour	Visual	-	Yellow
Appearance	Visual	-	Smooth, Homogenous
Cone Penetration, Worked	ISO 2137	1/10 mm	265 – 295
Dropping Point	ISO 6299	°C	Infusible (>305: as per test method, does not drop)
Corrosive Effects on Copper	ASTM D4048	24h at 100°C	max 1
Four-Ball Weld Load	ASTM D2596	kgf	610
Operating Temperature Range		°C	-20°C to 200°C (230°C)

### Performance Features

- Non-dropping Grease**  
Recommended for applications where usage of conventional Lithium, Calcium and mixed soaps are limited due to their melting point. Allows short time limited temperature peaks up to 230°C.
- Oxidation and Thermal Stability**  
Very good oxidation stability and good adhesive properties. Minimizes grease degradation under very high temperature.
- Protection against rust and corrosion**  
Protects metal parts from rust and corrosion. Extends equipment life in tough environments.
- High Load Carrying Capacity**  
Withstands high loads and frequent shock loads without failure of the lubricant film.
- Contains Very Fine PTFE**  
PTFE acting as a solid lubricant provides additional protection against wear, reduces friction between moving metal surfaces and lowers energy consumption. Improves water resistance properties.
- Suitable for Boundary lubrication**  
Very effective grease for boundary lubrication conditions. High content of PTFE reduces sliding friction between surfaces, minimizing adhesive and chemical wear under extremely high loads.
- Innovative High Technology Grease**  
Compatible with most conventional thickener greases.



*Above characteristics are mean values given as information for guidance purposes only.*

*No warranty expressed or implied is given concerning the accuracy of the information or the suitability of the product*