

Description

ZAP Grease BENTONE Moly is an inorganic bentone clay thickened lubricating grease based on a high viscosity mineral base oil of ISO VG 460 viscosity. The grease contains Molybdenum Disulfide as a solid lubricant. The special inorganic bentone clay thickener makes it suitable for applications at very high temperatures. Presence of Molybdenum Disulfide prevents jamming or sticking of moving parts, retains lubricity after complete oil loss or accidental overheating. The grease contains the finest additive package, which ensures rust, corrosion, extreme pressure and wear protection for the lubricated parts.

Application

ZAP Grease BENTONE Moly is designed for slow moving automotive and industrial applications where the grease is exposed to very high temperatures and/or frequent or continued shock loaded conditions. The Grease is preferable solution for the lubrication of conveyer bearings, heat treating operations, metalworking autoclaves, industrial kilns, slow moving grinding mills, tunnel ovens and other high temperature lubrication points. Use **ZAP Grease BENTONE Moly** as a lubricating grease in corrosive lubrication points to prevent bearings, plain sliding surfaces, journals and other metal parts from mild alkaline and acidic environment. Operating temperature range: -20°C to 180°C (temporary up to 200°C)

Product Data

Stock No. Z-16
 400 g Pull-Off Cartridge
 24 Cartridges per Box
 50 Boxes per Pallet
 Barcode Cartridge / Box: 4752134000628 / 4752134000642
 Other Packages on Request
 Shelf Life: 5+ years (from date of manufacture)

Technical Specifications

ISO 6743-9: ISO-L-XBFHB 2
 DIN 51 502: KPF2R-20

Technical Data

Characteristics	Test Method	Unit	Typical Value
NLGI grade	ASTM D 217	-	2
Thickener		-	Bentone Clay
Base Oil		-	Mineral
Base Oil Viscosity at 40°C	EN ISO 3104	mm ² /s	460
Colour	Visual	-	Grey to Black
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	255
Operating Temperature Range		°C	-20°C to 180°C (200°C)

*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*



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 200°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 like mild alkaline and acidic.
- High Load Carrying Capacity**
 Withstands high loads, frequent or continued shock loads without failure of the lubricant film.
- Contains Very Fine Moly**
 Molybdenum Disulfide acting as a solid lubricant provides additional protection against wear, avoids jamming or sticking of moving parts, improves grease resistance to acidic environments.
- Recommendation**
 It is recommended to clean lubricated components before using Bentone thickened grease to avoid mixture or dilution of the grease with conventional thickener greases.

