



## Description

ZAP Grease COMPLEX White is a very low and high temperature, extreme pressure lubricating grease based on a lithium complex thickener and fully synthetic PAO (PolyAlphaOlefin) low viscosity base oils. The product is formulated with the latest additive technology which delivers the right balance of performance characteristics to the grease: excellent oxidation stability, rust and corrosion prevention, superior anti-wear and extreme pressure performance as well as very good water resistance.

## Application

ZAP Grease COMPLEX White is a superb quality, synthetic, long life, extreme pressure grease suitable for the automotive and industrial applications where infrequent re-greasing is mandatory.

ZAP Grease COMPLEX White is designed to operate in high speed applications, especially where long life or filled for life lubricating grease is required. Typical applications are bearing lubrication in electric motors, generators, ventilators, dryers and conveyor ovens, spindle bearings, precision instruments. Operating temperature range: -45°C to 150°C (temporary up to 160°C)

## Technical Specifications

ISO 6743-9: ISO-L- XEDHB 2  
DIN 51 502: KPHC2N-40

## Product data

Stock No. Z-22  
Packages: 400 g Pull-Off Cartridge  
24 Cartridges per Box  
50 Boxes per Pallet  
Barcode Cartridge / Box: 4752134000833 / 4752134000840  
Other Packages on Request  
Shelf Life: 5+ years (from date of manufacture)

## Technical data

Characteristics	Test Method	Unit	Typical Value
NLGI grade	ASTM D 217	-	2
Thickener		-	Lithium Complex
Base Oil		-	PAO (PolyAlphaOlefin)
Base Oil Viscosity at 40°C		mm <sup>2</sup> /s	32
Colour	Visual	-	White to light Yellow
Appearance	Visual	-	Smooth, Homogenous
Cone Penetration, Worked	ISO 2137	1/10 mm	265 – 295
Dropping Point	ISO 2176	°C	>220
Corrosive Effects on Copper	ASTM D4048	24h at 100°C	max 1
Dynamic Rust Test, EMCOR	ISO 11007	Rated	0-0 Distilled Water
Water Washout Test	ISO 11009	%	<6 (80°C, wt.% loss)
Flow Pressure -40°C	DIN 51805	hPa	1250 at -40°C
Four-Ball Weld Load	ASTM D2596	kgf	255
Operating Temperature Range		°C	-45°C to 150°C (160°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

- Excellent High Speed Performance**  
Provides excellent adhesion to the surfaces under high speeds, forms a strong lubricating film, reduces friction and cools down the lubricated points
- Excellent protection against rust and corrosion**  
Prevents rust and corrosion. Offers high level of resistance to water, thus extending equipment life
- Superior Oxidation stability**  
Very good, long life oxidation stability and ageing resistance
- Wide Operating Temperature Range**  
Excellent lubrication at high and very low temperatures. Does not liquefy until >220°C
- Very low temperature performance**  
Easy start of the lubricated equipment at very low temperatures, down to -45°C
- High Load Carrying Capacity**  
Withstands high loads without failure of the lubricant film, reducing wear
- ZAP Grease Synthetic Technology**  
Fully synthetic, wax-free structure PAO base oils and premium quality lithium complex soap – designed for long life lubrication