



Open Gear Grease 2

Heavy duty grease for open gears

Product code: Z049

Product Description:

An aluminium complex soap thickened grease based on solvent refined hydrocarbon oil incorporating solid lubricants, polymers, extreme pressure additives, and a blend of antioxidants and corrosion inhibitors, combining to provide highly effective lubrication with excellent corrosion protection. This lubricant is bitumen free.

Open Gear Grease 2 has been specially developed for the lubrication of all types and sizes of open gears, including spur, helical and bevel drive gears that are subjected to extreme loads, high working temperatures and water saturated conditions.

Benefits:

- Easy to apply in all weathers
- Dewateres and can be applied to wet surfaces
- Totally water repellent
- Adhesive additives
- Self-repairing lubricant film providing maximum protection of work surfaces
- Withstands pressures up to 7,000kg/cm² (100,000 psi)
- Excellent wear protection
- Lasting thin, almost dry lubricating film does not collect dust and dirt
- Does not drip or fling off
- Helps maintain a clean surrounding work area
- Bitumen free

Method of Application:

Clean the gears of previous lubricant with a suitable solvent; this will ensure good bonding of the solid lubricants in Open Gear Grease 2. This open gear lubricant is designed to provide economic application by brush or spatula. It is not necessary for the gears to be treated to be dry of water the dewatering characteristics of Open Gear Grease 2 enable it to be applied to wet surfaces. Due to the product's high solids content, it is ideal for both running-in and service lubrication.

Storage:

Products should always be stored in the original packaging in a clean indoor area. Ideally, the storage temperature should be between 0°C to 25°C. Products should be stored away from any sources of heat including direct sunlight.

The recommended shelf life for grease is 2 years.



TECHNICAL DATA SHEET

Typical Test Data:

Properties	Units	Method	Specification	Typical
Appearance			Tacky Grease	
Colour			Grey to Black	
NLGI Grade			2	
Thickener			Aluminium Complex	
Base Oil			Semi synthetic	
Base Oil Viscosity @ 40°C	cSt	ASTM D445	460	
Worked Penetration	dmm	ASTM D217	265 – 29	272
Dropping Point	°C	ASTM D2265	≥ 250	263
Four Ball Weld Load, 10s	kgf	IP 239	≥ 700	800
Four Ball Wear Scar, 40kg 1 hour	mm	IP 239	-	0.52
Roll Stability – 2 hours @ 35°C	%	ASTM D1831	-	12
Copper Corrosion				
24 hours @ 100°C	-	ASTM D4048	-	1a
Corrosion (EMCOR)				
Distilled Water	-	ASTM D6138	-	0,0
Water Washout				
1 hour @ 79°C	%	ASTM D1264	-	4.0
Water Spray-Off	%	ASTM D4049	-	8
Oxidation Stability				
Time to 10% Loss @ 160°C	min	ASTM D8206	-	160
Solids	%	-	3% MoS ₂ , 5% Graphite	
Operating Temperature	-	-	-30°C to +150°C	