

OPEN GEAR GREASE

PRODUCT DESCRIPTION

Vertex Open Gear Grease is a metal-to-metal lubricant for gear wheel and wire rope lubrication. The product is suitable for use in open gears and on wire ropes, especially highly loaded construction and mining equipment. Vertex Open Gear Grease can be used in drive train gears, elevators, mechanical presses, power shears, wire winch ropes and ski lifts. It contains a blend of high viscosity index synthetic oils, rust and oxidation inhibitors, selected extreme pressure additives, solid lubricants, tackifier and an enhanced thickener system. Contains 20%+ molybdenum disulfide and micro graphite.

APPLICATIONS & BENEFITS

- Service temperature range of - 10°C to +200°C.
- Highly adhesive grease forms a film of solid lubricants to prevent wear and friction.
- welding, pitting in gear tooth flank during operations.
- Resistant to water and water washout.
- Protects surface from corrosion.
- Very good EP properties and high load carrying capacity.
- Provides emergency boundary lubrication and extends relubrication intervals.
- Solid lubricants protect from galling, pitting, welding, and excessive wear, especially under heavy loads and slow or vibratory movements.
- Applications include: Cranes, Wire Ropes & Chains, Hoists, Ring Gears, Open Gears rotating at low, speed and high power, Rail pulleys, Ski lifts and all applications requiring a weather resistant lubricant.

PACK SIZES AVAILABLE

2.5KG, 20KG

TYPICAL CHARACTERISTICS

Parameters	Value	Unit	Method
Type	Grease with EP/AW additives & 20%+ Molybdenum Disulfide & Micro Graphite		
Appearance	Smooth high tack grease		
Base oil	Mixture of mineral and synthetic oils		
Base oil viscosity @ 40°C	approx. 1500	mm ² /s	
Thickener	Inorganic		
Colour	Black		
Penetration, worked	265-295	mm/10	ASTM 217
NLGI Consistency	2	Class	DIN 51 818
Drop point	None	°C	ASTM D 566
Service temperatures	-10 to +200	°C	
Water resistance, static evaluation	0-90		DIN 51 807 pt.1
Copper strip corrosion test	1a		ASTM D 130

The information contained in this Product Data Sheet is accurate at the time of printing and is subject to change without prior notice.

* Vertex is a registered trademark of Lubricants NZ Ltd.

ADDITIONAL INFORMATION

Direction Of Use

Use as Supplied. Never mix or dilute with oil or other grease types.

Designed for New Zealand Conditions | Manufactured from virgin base stocks. For more technical information please contact Vertex Lubricants NZ Technical Dept. +64 9 640 0004. Sheet updated 27 June 2023.