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Industrial Area 2,
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TECHNICAL DATA SHEET

VIRGO EP Grease Lithium Base

VIRGO EP Lithium Grease is an extreme pressure lithium multipurpose automotive and Industrial Grease that contains a high quality base oils, blended with lead free EP additive and is for use where surfaces are subjected to heavy or shock loading. These greases can be used at higher temperatures of upto 180°C for short duration or with frequent replacement. Continuous operating temperature range for these greases: -20 to 130°C

Designed to Perform

Oxidation Resistance – VIRGO EP Grease series provides a good oxidation stability that reduced engine deposits and sludge build up, the advance anti-oxidant additive present slows down the grease degradation ensuring longer maintenance intervals.

High Dropping Point Properties – Good Heat Resistance and Thermal stability structure. VIRGO EP Grease withstand heat required for EP Greases, therefore it can be use in a wide range of temperature operation.

Excellent Shear Stability – Long Engine Life VIRGO EP Grease series, maintains grease consistency even at high load of mechanical worked in between wearing surfaces protecting and prevent mechanical breakdown.

Performance Characteristics

VIRGO EP Lithium Grease is an extreme pressure lithium multipurpose automotive and Industrial Grease that contains a high quality base oils, blended with lead free EP additive and is for use where surfaces are subjected to heavy or shock loading. It also contains oxidation and corrosion inhibitors, which help to ensure long service life of the grease and a high level of protection for ferrous surfaces. These Greases prevent welding and seizure of moving parts often caused by shock loading and resist water wash out.

VIRGO EP Lithium Grease can be use in any conditions under which loads are high or shock loads are present, like a Plain & Anti friction Bearings, Wheel Bearings, linkages, suspension's and centralized lubrication system. Large rolling elements bearings Industrial Mills screws & nuts pressed and other metal working elements. Marine Equipment's operating under adverse conditions. Gear Couplings electric motors, mining equipment's and General Industrial machinery.



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Meets the requirements of the following specifications:

- DIN 51502 KP1K/KP2K/KP3K/KP4K

Typical Physical Characteristics

Property	Temp	Units	Test Methods	Lithium Grease				
NLGI Classification				00	0	1	2	3
Thickener				Lithium	Lithium	Lithium	Lithium	Lithium
Texture				Smooth	Smooth	Smooth	Smooth	Smooth
Color			Visual	Pale Yellow	Pale Yellow	Pale Yellow	Pale Yellow	Pale Yellow
Dropping Point			ASTM D566	190	190	190	190	190
Worked Penetration	@ 25°C		ASTM D217	400 - 430	355-385	310-340	265-295	220-250
Water washout resistance		% wt	ASTM D 1264	< 5	< 5	< 5	< 5	< 5
Copper Strip Corrosion for 24hrs	@ 100°C		ASTM D 4048	Pass	Pass	Pass	Pass	Pass

These characteristics are typical of current product methods whilst future production will conform to VIRGO Lubricants specifications, variations in these physical characteristics may occur.

Health & Safety Environment

- This product is unlikely to present any significant health and safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.
- Avoid contact with eyes and skin, use proper impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Protect the Environment

- Take used oil to an authorized collection point. Do not discharge used or new oil into drains, soil or water.

Additional Information

- Technical advice on any applications not covered here may be obtained from your VIRGO Lubricants Representative.