

PRODUCT DATA SHEET OF LITHIUM HIGH TEMP GREASE

Description - ACCERON NLGI-3 is a lithium complex high-speed red grease ensures exceptional performance and durability at high rotational speed. Ideal for the lubrication of very high-speed bearings throughout a wide operating temperature range. These grease can handle higher speeds friction & heat and can help minimize any potential failures by providing high quality lubrication. It can help prolong the life of the bearing. It is particularly recommended where there is a risk of water ingress, cutting fluid contamination or in the presence of condensation. Typical applications include electric motors, machine tools, aeronautical applications, precision bearings. Due to higher drop point and higher mechanical stability under high temperature these greases provide excellent performance in antifriction bearings in automotive and disc drum brake wheel bearing of heavy-duty commercial vehicle like trailers, trucks, buses, tankers, highway transport vehicle, passenger cars.

Application

- For ultra - high speed bearing applications under wide application temperature range.
- For automotive ball bearings, needle bearings, rotor bearings, machine tools, drills, robots, wheel bearing of heavy-duty commercial vehicles, like-Tankers, Trucks, Trailers, Off-highway transport, earthmoving equipment's etc.

Benefits

- Outstanding lubrication in high speed.
- Adequate viscosity to provides the lubricating film.
- Wide application temperature range.
- Lubrication lasts longer & increase equipment life.
- Prolonged lubrication intervals.
- Less down time & uptime piece of mind with low cost of maintenance.

Typical Characteristics –

PROPERTIES	TEST METHODS	REPORTS
NLGI GRADE	-	3
APPEARANCE / STRUCTURE	VISUAL	SMOOTH & TACKY
SOAP TYPE	-	Li COMPLEX
WORKED PENETRATION @25°C AFTER 60 STROKES, 0.1mm UNITS	ASTM D217	236
PENETRATION CHANGE AFTER 100000 STROKES	ASTM D217	SHALL VOT DIFFER FROM WORKED 60 STROKES BY MORE THAN 16 UNITS
DROP POINT, °C, Min.	ASTM D2265	>265
VISCOSITY OF BASE OIL@40°C,cSt, Min.	ASTM D445	220
VISCOSITY OF BASE OIL@100°C,cSt, Min.	ASTM D445	18
COPPER STRIP CORROSION@100°C FOR 24 HRS.	ASTM D4048	1A
FOUR BALL WELD LOAD, KG.	ASTM D2596	315
FOUR BALL WEAR SCAR DIAMETER, mm.	ASTM D2266	0.48
ACCERON LOAD, KG	ASTM D2509	50
OXIDATION STABILITY, PRESSURE DROP, PSI, AFTER 100 HRS@99°C MAX.	ASTM D 942	<5
RUST PROTECTION, DISTILLED WATER WASHOUT	IP 220	0
WATER WASHOUT @79°C, %wt.	ASTM D1264	<7.5
WATER SPRAY RESISTANCE, % LOSS	ASTM D4049	15



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