

SGHM 650

Heavy Duty High Temperature Molybdenum Fortified Grease

Benefits :

- **SGHM 650** is a heavy duty grease containing MoS₂ as solid lubricant for high temperature and high load applications.
- The special organic complex soap has been formulated for high temperature applications.
- Good mechanical and chemical stability.
- High base oil viscosity provides good adherence property to base metal.
- Resistance to high load and high wear and exhibits good shear stability.
- Dropping point in excess of 300°C+ gives the grease a good thermal stability and an ideal choice for high temperatures service as it retains original texture after cooling to ambient temperature.
- Insensitive to water dilution. Extremely water repellent and offers good corrosion inhibition.
- Does not prematurely harden and has good low temperature stability upto -20°C.
- Especially designed for use under severe and highly diversified operating conditions, high load components, high water dilution and saline medium.

Applications :

- For equipment operating under heavy loaded contacts where the building up of hydrodynamic lubricating film is extremely difficult for example in gears or oscillating bearings.
- **SGHM 650** has been successfully used in open gears, journals, roller bearings and linear sliding devices.
- For use in agriculture, construction, civil engineering, marine, steel, paper, chemical and other industries.

Characteristics	Test Method	Unit	Specifications
Appearance	Visual	–	Smooth tacky
Colour	Visual	–	Dark Grey
Base [Thickener]	–	–	Sp. Organic Complex
Base Oil Viscosity @ 40°C	ASTM D-445	cSt	650
NLGI Grade	–	–	# 1/2
Worked Penetration	ASTM D-217	0.1 mm	290 - 310
Dropping Point	ASTM D-2265	°C	+300
Water Washout @ 80°C, wt. loss	ASTM D-1264	%	0.5
Four Ball Weld load	ASTM D-2596	N	5000
Four Ball Wear Scar	ASTM D-2266	mm	NMT 0.4
Oxidation Resistance, Pressure Drop @ 100 hr / 99° C	ASTM D - 942	psig	2.5 max.
DN Value	-	-	750,000
Operating Temperature Range	–	°C	-20/+250

Marginal variation in shade can be expected from batch to batch. The color has no effect on the lubricating properties of the product.

MSDS available on request.

Due to continual upgradation of products above data is subject to change without notice
This supersedes our previously issued data sheets.

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Anand Engineers Pvt Ltd. 66, MIDC, Road No. 13, Andheri (East), Mumbai - 400093, INDIA.

Tel : +91 22 28219292/8/9 Fax: +91 22 28379337 Email: sales@molygraph.com Web: www.molygraph.com