



eni Grease SM 2

eni Grease SM 2 is an EP grey-black, smooth-textured, lithium-base grease containing molybdenum disulphide.

CHARACTERISTICS (TYPICAL FIGURES)

eni Grease SM 2

NLGI consistency		2
Appearance		Grey black, smooth-textured.
Worked penetration	dmm	280
Dropping point	°C	190
Base oil viscosity at 40°C	mm ² /s	160
Oil Separation (ASTM D 1742)	%	4
4 Ball EP test, welding load (ASTM D 2596)	Kg	250
Temperature range	°C	-20/+120

PROPERTIES AND PERFORMANCE

- The extremely pure, finely-divided molybdenum disulphide used in **eni Grease SM 2** is a very good solid lubricant which adheres firmly to the metallic surfaces, filling the micro-cavities and forming a film which can perform all the necessary lubrication functions in case the grease part has been removed because of mechanical loads or thermal stresses or for other reasons.
- The presence of molybdenum disulphide guarantees stand-by lubrication when re-greasing is impossible or if this operation happens to be delayed. It also allows long re-lubrication intervals due to the good stability of the grease.
- The very good adhesiveness, resistance to water washout and anticorrosive properties, make the greases suitable for application exposed to wet environment and in presence of water.

APPLICATIONS

eni Grease SM 2 is suitable for the lubrication of plain bearings subjected to extreme mechanical or thermal stress and rolling bearings which, by their geometric configuration, they provide a strong component of sliding friction.

High mechanical loads can result from dynamic conditions (e.g. pulsating loads), from the kinematic characteristics of the system (e.g. bearings of oscillating machinery) and from the presence of vibrations.

eni Grease SM 2 can be used on worksites as a universal lubricant grease suitable both for heavy-duty machinery and for parts which are inaccessible when the plant is in operation and can be lubricated only at the start of each shift.



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SPECIFICATIONS AND APPROVALS

eni Grease SM 2 meets the requirements of the following specifications:

eni Grease SM 2	
DIN 51825	KF 2K -20
ISO 12924	L-XBCHB 2

NOTICE

It is not recommended to mix **eni Grease SM 2** with greases of different types to avoid incompatibility issues.

The **eni** technical assistance service is available for technical support.