



Eni GR MU EP

Highest pressure lubricating grease with excellent load-bearing capacity on lithium basis with EP additives.

Characteristics (typical figures):

Eni GR MU EP	Unit	0	1	2	3	Test method
NLGI consistence class		0	1	2	3	
Working temp.range	°C	-40/+120	-30/+130	-30/+120	-30/+130	
Thickener		Li	Li	Li	Li	
Drop point	°C	180	190	175	180	DIN ISO 2176
Behaviour ag. water, rating at test temp.	Step	1 - 90	1 - 90	1 - 90	1 - 90	DIN 51 807 T. 1

Properties and Performance:

Eni GR MU EP has an excellent load carrying capacity due to its composition and additivation as well as excellent film strength. The high viscous base oil used for the production significant contributes to the improvement of the high-pressure characteristic, so that there is also a sufficient lubricating film in the area of boundary lubrication. Suitable oxidation inhibitors enable a high thermal stability. Special additives ensure an excellent corrosion protection.

Applications:

Eni GR MU EP 2 / 3 are used as highest pressure greases especially for roller and friction bearings with very high loads at normal and high temperatures as well as for lubricating points with a high starting resistance. They keep their consistency also at changing temperatures and loads. They have a very good stability against water influences and are therefore also suitable for the application in humid surrounding. Due to their stable lubrication film formation they are best suitable for a wide application range with intermittent loads, such as suspensions for rolling mills, rock crushers, vibrating screens, excavators, mills, crushers, calenders, eccentric presses, treatment plants and shredders. As universal lubricating greases with EP additives their are, according to the NLGI classes, applicable wherever an operation safe lubrication is required at extreme pressure conditions

Next to the previously mentioned properties due to the good transport behaviour **GR MU EP 1** is especially suitable for the application in automatic lubrication systems with the requirement for a grease of the NLGI class 1.

Eni GR MU EP 0 is an EP gear grease for the application in high loaded spur gears, bevel gear differentials, worm gears and similar industrial gears. It can also be used where greases according to the MAN specification 283 Li-P 0 are prescribed.

A mixture of greases with different soap basis should be avoided to maintain the special properties.

Please observe the manufacturer's specifications when selecting products.



Eni GR MU EP

Additional physical-technical data:

Eni GR MU EP	Unit	0	1	2	3	Test method
Welding force (VKA value)	N	2600	2200	2400	2400	DIN 51 350/T.4
Worked penetration	0,1 mm	355-385	310-340	265-295	220-250	DIN ISO 2137
Corr. protection according to SKF-Emcor-Test	Corr.-Grade	0 and 0				DIN 51 802
Corrosion effect on copper at 120°C	Corr.-Grade	1				DIN 51 811
Content of solid foreign substances over 25µm	mg/kg	<15				DIN 51 813 T.1
Water content	Mass%	<0,1				DIN ISO 3733
Base oil content	%	96	92	87	84	ASTM D 128
Base oil kin. viscosity at 40°C	mm ² /s	90	195	110	120	DIN 51 562 T. 1
Base oil kin. viscosity at 100°C	mm ² /s	~11	~15	~10	~11	DIN 51 562 T. 1
Designation		GP0K-40	KP1K-30	KP2K-30	KP3K-30	DIN 51 825 T. 3
Identification		GP0K-40	KP1K-30	KP2K-30	KP3K-30	DIN 51 502

Specifications:

DIN 51 826: GP 0K-40

DIN 51 825: KP 3 K-30, KP 2 K-30, KP 1 K-30