



LP 440

SPECIAL SCREW PASTE

microGLEIT LP 440 is a homogenous, blue-grey special screw paste based on a biodegradable synthetic base oil and special solid lubricants.

Product Features

The solid lubricants used in LP 440 are selected and matched for high lubricity and defined, reproducible friction values. LP 440 is even working on slightly corroded or oiled bolts and is reaching comparably constant and defined friction properties. Common ingredients, known for reactions at high temperatures with the screw material and thus weakening the substrate are not used – LP 440 is free of lead, copper, aluminium, sulfur, or MoS₂. LP 440 combines best environmental compatibility and outstanding product performance.

- Very good lubrication and release properties
- Constant, reproducible friction values
- Prevents seizure and scuffing of friction partners — maintenance friendly release torque, non destructive disassembly of threaded connections

Product Applications - Examples

microGLEIT LP 440 was specially developed as screw paste.

Typical Applications:

- HV-bolt assemblies, bolts and nuts for structural bolting assemblies, stainless steel bolts and nuts
- Hot-dip galvanised or zinc-flake coated bolts and nuts
- General screw paste for threaded connections
- Universal screw and bolt lubrication at „normal“ temperatures - also for any stainless steel screws
- Lubrication of bolts, sliding guides or mechanical elements which are operated at elevated temperatures and low sliding speeds, which benefit from lubricants w/o drop point

Instruction for Use

- microGLEIT LP 440 can be applied by brush or lint-free cloth on preferably clean surfaces – apply a sufficient quantity and ‚force‘ the paste into the full depth of the thread - excessive paste may be left.
- Aerolsole cans can be used for easy application – shake can well before use – apply a thin film on desired areas – allow solvent to evaporate before assembly of parts.
- For serial application, LP 440 may be applied by means of suitable automatic dosing systems.
- Do not mix with other greases or pastes - this will reduce the performance.
- LP 440 is not suited for use with fast running machine elements.

Typical Properties microGLEIT LP 440

TEST/FEATURE	STANDARD/ PARAMETER	UNIT	LP 440
Colour	visually	—	blue-grey
Base Oil	—	—	biodegradable synthetic oil
Density	DIN 51757	g/cm ³	~1,2
Drop Point	DIN ISO 2176	—	none
Penetration	DIN 51804, Bl. 1	mm/10	265 - 295
NLGI Class	DIN 51818	—	2
Service Temperature	—	°C / °F	-25 to + 150 / -13 to + 302
Screw Test - Friction Value	M12 / 8.8 M12 / A2	—	0,09 0,12
Brugger Value	DIN 51347	MPa	~130
Water Resistance	DIN 51807	—	0 - 90
Usable Life (Closed Original Container - Bulk Ware)		months	36
Usable Life (Aerosol, From Date of Delivery)		months	12
Available Packaging	—	400 ml 1 kg 5 kg 25 kg	aerosol can; 12 per box plastic can, 6 per box plastic pail plastic pail
Handling Instructions	—	—	see SDS