



LP 405

THE ECONOMIC MoS₂ PASTE

microGLEIT LP 405 is a homogenous, grey-black coloured lubrication paste, based on mineral oil and a high content of synergistic solid lubricants with MoS₂.

Product Features

The synergistic combination of solid lubricants in microGLEIT LP 405 provides highest lubrication properties, outstanding pressure resistance, a wide service temperature range plus dry lubrication properties.

- High ageing resistance
- Very high pressure resistance
- Prevents from stick-slip
- Very high load carrying capacity
- Constant, low friction values especially at very high contact pressures
- Ideal for optimised running-in
- Wide service temperature range up to +450 °C/842 °F (Dry lubrication)
- Good corrosion protection
- Cost effective

Applications - Examples

- microGLEIT LP 405 is especially well suited for wear free assembly as well for running-in of highly stressed machine elements. Also LP 405 is used for screws used at high temperatures.
- Typical Applications:
 - Assembly and running-in of various machine elements (e.g., joint bearings, bolts, pins, wheels, etc.)
 - Spindle drives running at high temperatures
 - High temperature lubrication of screws and bolts up to 450 °C/842 °F
 - Facilitates shrink-fit/press-fit operations of bearings, bolts, wheels,...

Instructions For Use

- microGLEIT LP 405 usually is applied manually by spatula, lint-free cloth, brushes or the like. Specially adapted dispensing systems (suitable for feeding solid particles in a paste) may be used as well.
- Ideally clean the surfaces before application.
- Do not mix with lubricants of different oil base or check compatibility upfront application!
- microGLEIT LP 405 might be dispersed with organic solvents (e.g. white sprit) for coating of bulk parts.
- Before using the product in serial/practical applications, customers tests to ensure that the product is meeting all requirements for the intended end use have to be performed.

Typical Properties – microGLEIT LP 405

TEST/FEATURE	STANDARD/ PARAMETER	UNIT	LP 405
Colour		—	grey/black
Base Oil		—	mineral oil
Viscosity @ 40 °C / 104 °F	DIN 51805	mm ² /s	75
Thickener		—	—
Service Temperature		° C/°F	-20 to 450/ -4 to 842
Solids Content		%	~ 50
Density	DIN 51757	g/cm ³	1,2
NLGI Class	DIN 51818	—	2
Brugger - Value	DIN 51347	MPa	~150
Screw Test - Friction Value μ	M10x50-A4 / Ma = 40 Nm	—	~0,1
Press-Fit – Friction	μ	—	0,11
EMCOR	DIN 51802	—	0
Water Resistance	DIN 51807	—	0 - 90
Available Packaging		250 g 500 g 1 kg 5/18/25 kg	can – 12 per box cartridge – 20 per box can – 6 per box Plastic Pail
Minimum Shelf Life		months	36
Hazard Notes			—