



LP 410

THE CLASSIC MoS₂ PASTE

smartGLEIT LP 410 is a homogenous, grey-black coloured lubrication paste, based on mineral oil and a high content of synergistic solid lubricants with MoS₂.

Product Features

smartGLEIT LP 410 is the classic all-round MoS₂ paste. The synergistic combination of solid lubricants in smartGLEIT LP 410 provides highest lubrication properties, outstanding pressure resistance, a wide service temperature range plus dry lubrication properties. Furthermore LP 410 is characterised by following properties:

- 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 with emergency running properties
- Wide service temperature range up to +450 °C / 842 °F (Dry lubrication)
- Good corrosion protection

Applications - Examples

- smartGLEIT LP 410 is especially well suited for wear free assembly as well as running-in of highly stressed machine elements. Also LP 410 is used to lubricate machine elements 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

- smartGLEIT LP 410 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!
- smartGLEIT LP 410 might be dispersed with organic solvents (e.g. white spirit) for coating of bulk parts.
- Due to the high solids content, LP 410 cannot be used with faster running machine elements.

Typical Properties – smartGLEIT LP 410

TEST/FEATURE	STANDARD/ PARAMETER	UNIT	LP 410
Colour		—	grey/black
Base Oil		—	mineral oil
Viscosity @ 40 °C / 104 °F	DIN 51805	mm ² /s	~ 80
Thickener		—	Li-Soap
Service Temperature		° C/°F	-25 to 450 / -13 to 842
Solids Content		%	~ 50
Density	DIN 51757	g/cm ³	1.3
NLGI Class	DIN 51818	—	2
Brugger - Value	DIN 51347	MPa	~150
Screw Test - Friction Value μ	M10x50-A4 / Ma = 40 Nm	—	~0.08
Press-Fit – Friction	μ	—	0.09
EMCOR	DIN 51802	—	0
Water Resistance	DIN 51807	—	0 - 90
Available Packaging		250 g 500 g 1 kg 5 / 25 / 200 kg	can – 12 per box cartridge – 20 per box can – 6 per box Plastic Pail / Drum
Minimum Shelf Life		months	36
Handling Precautions			see SDS