



FSV 780

WHITE SPECIAL GREASE PASTE

microGLEIT FSV 780 is a homogenous, light coloured lubrication paste, based on calcium-sulfonate-complex-soap, mineral oil and a high content of triboreactive, microWHITE solid lubricants.

Product Features

microGLEIT FSV 780 is based on an innovative combination of novel, microWHITE solid lubricants. When energy (load and relative movement) is supplied to the friction contact, the solids form a wear resistant reaction layer. This layer significantly reduces friction and sliding wear of oscillating friction contacts under mixed or boundary friction conditions.

The solid lubricants are not subject of hazard labelling according CLP- and GHS-regulations. Special additives improve adhesion and corrosion protection.

- Novel, microWHITE solid lubricants:
 - Fast build-up of a stable, wear-resistant, tribochemical layer
 - Particularly high protection level against fretting corrosion – the new benchmark
 - Eliminates stick-slip
 - Extraordinary high load carrying capacity
- Due to a relative high level of solids content, the grease paste should only be used in slow running rolling element bearings.
- Well suited for many material pairings – steel, stainless steel, bronze, brass, titanium, ...
- When applied on aluminium, hard anodised surfaces, surfaces with PVD-, CVD-, DLC- or PCO-Layers, we recommend tests to evaluate best performance conditions.

Applications - Examples

- microGLEIT FSV 780 is used for initial lubrication of machine elements, which are exposed to high pressures, shock loads, vibrations or oscillations.
- Static or kinetic fretting wear (tribocorrosion, fretting corrosion) will be prevented or significantly reduced. Fretting of the friction partners will be avoided and the running-in phase shortens significantly.
- Typical Applications:
 - Sliding guides, adjusting wedges, sliding sleeves, hinges, joints
 - (Stainless Steel) screws, bolts, hinges
 - Keyed connections (e.g. splined shafts, keyways)
 - Ball joints, universal shafts, ball sockets,
 - Spindle drives, armatures,
 - Annular springs
 - Chucks and clamping elements
 - Small gears
 - Overload protection system e.g. in clutches
 - Bearings of machine beds, bolster plates
 - Insertion support for bridge segments
- Note:
 - 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.

Instructions For Use

- microGLEIT FSV 780 can be applied by means of grease guns, automatic dosing equipment (suited for pasty products with solids content) and also manually by spatula, lint-free cloth, brushes or the like.
- Clean surfaces before application – do not mix with other lubricants

Typical Properties – microGLEIT FSV 780

TEST/FEATURE	STANDARD/ PARAMETER	UNIT	FSV 780
Colour		—	amber-coloured
Base Oil		—	mineral oil
Viscosity @ 40 °C / 104 °F	DIN 51805	mm ² /s	100
Thickener		—	calcium-sulfonate-complex-soap
Service Temperature		° C/°F	-20 to 140 / -4 to 284
Solids Content		%	30
Density	DIN 51757	g/cm ³	1,1
NLGI Class	DIN 51818	—	2
Brugger - Value	DIN 51347	MPa	> 500
FBM Load	DIN 51350	N	5000
Almen Wieland		kN	> 18
Screw Test - Friction Value μ	M10x50-A4 / Ma = 40 Nm	—	not tested
SRV – P/B 100Cr6 Friction Value μ Test Time = 60 min Test Load = 200 N Frequency = 50 HZ Stroke = 120/100 μ m	DIN 51834	50 °C / 122 °F	0,13/0,14
EMCOR	DIN 51802	—	0/1
Water Resistance	DIN 51807	—	0 - 90
Available Packaging		250 g 500 g 1 kg 5/25 kg	Can– 12 per box Cartridge - 20 per box Dose – 6 per box Pail