



FSV 765

WHITE SPECIAL GREASE PASTE

smartGLEIT FSV 765 is a homogenous, light coloured lubrication paste, based on lithium-complex-soap, synthetic oil and a medium high content of triboreactive, microWHITE solid lubricants.

Product Features

smartGLEIT FSV 765 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 - safe against adhesive wear
- Extended service temperature range — -40 to 130 °C / -40 to 266 °F.
- Plastic-friendly base oil.
- Due to a relatively 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 or surfaces with PVD-, CVD-, DLC- or PCO-Layers, we recommend tests to evaluate best performance conditions.

Applications - Examples

- smartGLEIT FSV 765 is used for lubrication of machine elements, which are exposed to high pressures, shock loads, vibrations or oscillations, especially at low sliding speed.
- 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

- smartGLEIT FSV 765 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 – smartGLEIT FSV 765

TEST/FEATURE	STANDARD/PARAMETER	UNIT	FSV 765
Colour		—	white/creme
Base Oil		—	synthetic oil
Viscosity @ 40 °C / 104 °F	DIN 51805	mm ² /s	100
Thickener		—	lithium-complex-soap
Service Temperature		° C/°F	-40 to 130 / -40 to 266
Solids Content		%	35
Density	DIN 51757	g/cm ³	1.1
NLGI Class	DIN 51818	—	2
Brugger - Value	DIN 51347	MPa	> 350
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 = 100 μ m	DIN 51834	50 °C / 122 °F	0.12
EMCOR	DIN 51802	—	0/0
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 plastic can, 6 per box plastic pail/drum