



Grease Lithium Complex TFS

Range of lithium complex based greases with PTFE

Description

Grease Lithium Complex TFS 2 was formulated for lubrication of mechanisms operating in a very wide range of temperatures. The PTFE content will enable to optimize lubricating conditions and will significantly decrease friction, wear and noise. The base components and additive package will significantly improve the lubricating capacity, mainly at low temperatures and under severe lubricating conditions. Thanks to its high viscosity base oil, the grease is suitable for both low and high temperatures. Grease Lithium Complex TFS 2 is capable of working in a wide range of speeds, even when it is more suitable in medium and high speed operations ($0,6 \times 10^6$).

Grease Lithium Complex TFS EP is a high performance lubricating grease capable of working in a wide range of temperatures (from -40 to 180 °C) under very severe operating conditions. Specially formulated with a synthetic base oil provided with high chemical and thermal

resistance and a high lubricating capacity, special lithium complex soap thickened, with a high drop point and outstanding stability to mechanical work. Grease Lithium Complex TFS EP is perfectly suitable for small gear units and planetary gear sets of automotive starters.

Grease Lithium Complex TFS M 2 is formulated with a semi-synthetic base oil and PTFE as an all-round grease for industrial, transportation and agriculture purposes.

Benefits

- Wide operating temperatures and increased drop point
- Excellent lubricating properties
- Life lubrication
- Resistant to shearing
- Capable of withstanding high speed operations
- Low dynamic friction coefficients
- Excellent compatibility with plastic and elastomers
- Speed factor



Typical performance data

	Test method	TFS 2	TFS EP 2	TFS M 2
Soap type	ASTM D128	Lithium complex		
Colour		Ivory	Yellow	Amber
Base oil nature		Synthetic		Semi-synthetic
Base oil viscosity @ 40 °C, cSt		32	100	150
Penetration 60W, x 0,1 mm	ASTM D217	265-295	280-320	265-295
Drop point, °C	ASTM D566	>190	>250	>250
Water resistance, 90 °C	DIN 51807	1	0	0
Copper strip corrosion 1hr/150 °C	ASTM D130	1a	1b	1a
Evaporation loss 22h/100 °C, %	ASTM D972	1	0.5	0.6
Working temperature, °C		-55 – 150	-40 – 180	-35 – 170
EMCOR corrosion test	DIN 51802	1	1	1
Oil separation 24hr/100 °C, %	FTM 791C/321.3	5	5	5
PTFE content, %		10	10	<5
4-ball wear test, welding load, kg			450	500

All performance data on this Technical Data Sheet are indicative only and can vary during production

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