



Grease Lithium Complex S

Synthetic grease for high speeds and low temperatures

Description

Specialty lubricant intended for the lubrication of low temperatures, high speed and variable loads operated mechanisms wherever minimum friction is needed during the start up and running-in. The synthetic base oil blend of PAO and ester offers optimum load carrying characteristics and premium performance in applications where intermittent temperatures tends to shoot up more than once.

Applications

- Worms in machine-tool
- Drill worms (wood)
- Small gears
- Cams
- Engines
- Turbines
- Textile machinery
- High precision machinery

- Telecommunication

Benefits

- Low base oil viscosity
- Superior stability to oxidation and corrosion
- Will not harden or build residue under high temperature action
- Mechanical stability

Speed values

The speed value (n.dm) regulates the spinning limit applying the following correction factor per the type of bearing:

- Ball bearings 100%
- Cylinder roll bearing 70%
- Tapered roll bearing 60%
- Needle bearing 40%

These values will be applied exclusively for bearings with maximum 60 mm inner diameter. The speed value of Dn factor is 10⁶.

Typical performance data

Colour		Beige
Thickener, soap type		Lithium complex
Base oil nature		PAO + ester
Base oil viscosity @ 40 °C, cSt		13
Base oil viscosity @ 100 °C, cSt		3
Penetration @ 25 °C, x 0,1 mm	ASTM D217	265-295
Dropping point, °C	ASTM D566	220
NLGI class	DIN 51818	2
Penetration @ 60 W, x 0,1mm	ASTM D217	265-295
EMCOR corrosion test	DIN 51802	0
Water resistance 90 °C	DIN 51807	0
Oxidation stability, 100 °C	ASTM D942	0,1
Evaporation loss, 22hr/120 °C, %	ASTM D972	1
Flow pressure @ -35 °C, mbar	DIN 51805	500
SKF-ROF test, 10.000 rpm, 120 °C		L50 = 2700 h
Operating temperatures, °C		-55 – 150

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

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