



## 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.

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

### Applications

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

### 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 10<sup>6</sup>.

### Benefits

### Typical performance data

Colour		Beige
Thickener, soap type		Lithium complex
Base oil nature		Synthetic
Base oil viscosity @ 40 °C, cSt		13
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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