



## TECHNICAL DATA SHEET

### G. BESLUX PLEX L-2/S

#### SYNTHETIC GREASE INTENDED FOR HIGH SPEED AND LOW TEMPERATURES

G. BESLUX PLEX L-2/S is a speciality 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.

Here below a few examples of such lubrication :

Worms in machine-tool, drill worms (wood), small gears, cams, engines, turbines etc. It is a long life lubricant in bearings, textile machinery, high precision machinery, frost industry, telecommunication etc.

#### DESCRIPTION

Dynamically light, i.e. superior stability to oxidation and corrosion.  
Does not present consistency variation along storage and can withstand temperatures from -50°C to +150°C without hardening or building residues.  
Good resistance to mechanic work without significant consistency loss.

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 G. BESLUX PLEX L-2/S is  $10^6$ .





## TECHNICAL DATA SHEET

### G. B E S L U X P L E X L - 2 / S

#### APPLICATION AND CAUTIONS

- No special caution when using.
- Small bearings and start torques require thin grease layer.
- Avoid grease excess.
- Remnant of other lubricants should be cleaned off prior to the application.

#### SPECIFIED CHARACTERISTICS

Colour .....	Beige
Thickener, soap type .....	lithium complex
Base oil nature .....	Synthetic
Penetration at 25° C (ASTM D-217) ....	265-295 x 0,1 mm
Drop point (ASTM D-566) .....	Min. 220° C

#### GENERAL CHARACTERISTICS

NLGI Class (DIN 51818) .....	2
Penetration 60 W (ASTM D-217).....	265 - 295 x 0'1 mm.
Penetration 10 <sup>5</sup> W (ASTM D-217).....	350 x 0'1 mm. max.
EMCOR Corrosion test (DIN 51802) .....	0
Water resistance 90° C (DIN 51807) .....	0
Oxidation stability, 100° C (ASTM D-942).....	0'1 bar max.
Evaporation loss, 22hr/120° C (ASTM D-972) .....	1% max.
Flow pressure at -35° C (DIN 51805) .....	500 mbar max.
SKF-ROF test , 10.000 rpm, 120° C .....	L50 = 2700 h.
Operating temperatures .....	-55 to 1500C

**NOTE :** For a safe handling a MSDS of the product is available. The data given herein are average values and can be modified in further product developments. Unless our technician aware and agree on the specific service conditions and application we cannot provide manufacturer liability or property guarantee.

