



G. BESLUX KOMPLEX ALFA 0/1

HIGH EFFICIENCY ORGANIC THICKENED LUBRICATING GREASE (MULTIPURPOSE LONG -LIFE) WITH HIGH VISCOSITY INDEX SYNTHETIC OIL

DESCRIPTION

It is a new high performance multipurpose lubricating grease intended for operating in a wide temperatures range within -50 and 180°C continuous temperature and 200°C peak temperature.

It is formulated with innovative organic thickeners provided with high chemical and thermal stability together with high viscosity index synthetic oils showing outstanding lubricating capacity and resistance to aging.

APPLICATIONS

– Bearings and any mechanisms operated under temperatures within -50 and 180°C (220°C peak).

- Bearing operated with medium and high speed ($VF=700,000 - VF = Dm \times rpm$) $Dm = 1/2 (EXT D + INT D)$.
- Electric motor bearings.
- Fan bearings, exhausters, pumps etc.
- Bearing of oven wagons.
- Bearings and drives in cooling systems.
- Bearings of drying tunnels.
- Bearings in conveyor belts.
- Bearing and bolts in chains operated under strong temperatures variations.
- Plain bearings and joints in plastic-plastic and plastic-metal contacts.
- Lubrication of wire guides, plastic bearings and slides.
- Lubrication of bearings and general mechanisms wherever a reduced greasing frequency is needed to improve the useful life.

PHYSICAL - CHEMICAL CHARACTERISTICS

Colour	Blue
Thickener	Urea compound
Base oil nature	Synthetic
Worked penetration 60W	340 – 360 x 0,1 mm
Drop point	Min. 250°C
Oil separation, 18h/40°C	Max. 2,5%
NLGI Consistency class	Grade 0 / 1
Worked penetration 10 ⁵ W	Max. +30 x 0,1 m
Specific gravity at 25°C	Approx. 0,875 g/cm ³
Oxided ashes	Max. 0,05 %
Flow pressure at -35°C	Max. 1500 mbar
Copper corrosion 24hr/100°C	Max. 1b
Oxidation stability, 100hr/100°C	Max. 0,1 bar
Evaporation weight loss, 22hr/100°C	Max. 0,25 %
Evaporation weight loss, 22hr/150°C, thin film	Max. 3 %
SRV Test at 100N, 1mm, 50Hz, 80°C, 1h, 10mm ball	
– minimum	Max. 0,110
– maximum	Max. 0,125
– end	Max. 0,120
Wear scar diameter	Max. 0,50 mm
Curve type	Smooth
EP Test Maximum load	Min. 500N
Service temperature	-50 to 180°C