

SGHT 600

Description

TACBECON SGHT 600 is a high temperature grease thickened with graphite in synthetic base oil.

When operating in high temperatures (>300°C), the synthetic oil will evaporate completely without leaving any deposits. The gelling agent will remain behind as non-abrasive amorphous powder to provide protection for up to 600°C.

With good fluidity and additive package, the grease also lubricates well down to -30°C; and protects ferrous and non-ferrous metals from corrosion.

Applications

TACBECON SGHT 600 is ideal for kiln car bearings, furnace door gear, drying tunnels and also in the glass industry, where temperature of up to 600°C is expected.

Application Methods

TACBECON SGHT 600 can be applied by brush or grease gun manually. It also works well with a centralised lubrication system that dispenses from a pneumatic pump, if necessary.

Cautions

- Do not mix with other lubricants (unless stated)
- Clean all surfaces properly during lubricant change
- Apply in moderate amount
- Avoid excess frequency of re-lubricating

When applied for bearing lubrication, the total volume of grease should not exceed 30% to 40% of the bearing void space available to avoid bearing seizure.

Product Features

- For extreme high temperature applications
- Fortified with graphite
- Good fluidity at very low temperatures
- Good lubrication and load carrying ability at high temperatures
- High resistance to oxidation and corrosion

Compatibility

The grease is compatible with most engineering plastics and elastomers.

Packaging Size

400-g	Cartridge
18-kg	Pail
180-kg	Drum

Typical Property	Test Method	Test Result
Colour, appearance	Visual	Black, smooth
Base oil	-	Synthetic
Thickener	-	Graphite
NLGI grade	ASTM D 217	2
Base oil viscosity @40°C, cSt	ASTM D 445	130
Penetration W60@25°C, 0.1mm	ASTM D 217	265 – 295
Dropping point, °C	ASTM D 2265	None
Oil separation 24hrs @100°C, %	ASTM D 6084	0.8
Evaporation loss 24hrs @100°C, %	ASTM D 972	1.9
Oxidation stability @175°C 500psi O ₂ , mins	ASTM D 5483	67.13
Density @25°C, g/cc	CTM	1.1
Recommended operating temperature, °C	-	-30 to 600

The product properties are typical of those obtained with normal production tolerances and do not constitute a specification. The information contained herein is subject to change without notification. Before using any chemical, please read its label and Material Safety Data Sheet.