

You Bang Shou® YBS-NBU18 High-temperature multi-purpose grease

YBS-NBU18 is a white, odourless high-temperature multipurpose grease based on a perfluorinated polyether (PFPE) oil and a polytetrafluoroethylene (PTFE) thickener. The base oil viscosity enables a wide variety of applications to be served over a wide operating temperature range (peak temperature 250 °C).

It shows a neutral behaviour towards most plastics and elastomers and can therefore be used for a variety of component materials.

Performance advantage

- ◎- Good resistance to aggressive media.
- ◎- High thermal stability.
- ◎- Neutral towards plastic materials.
- ◎- Multiple uses over a wide operating temperature range.

Typical data

Test items	You Bang Shou	Testing standards
Color space	White	/
Worked penetration 25°C, 0.1mm	265-295	DIN ISO 2137 / ASTM D217
Service temperature, °C	-30/-22 °F -200°C/392 °F	GB/T 3498
Copper sheet corrosion (24h, 100°C)	Qualified	DIN 51811
Kinematic viscosity of the base oil, 100°C	approx. 16 mm ² /s	ASTM D445
Kinematic viscosity of the base oil, 40°C	approx. 145 mm ² /s	ASTM D445
Oil separation, 30 h 150° C	≤ 9 % by weight	ASTM D6184
Evaporation loss, 22 h, 149°C	≤ 3 % by weight	ASTM D2595

Application

YBS-NBU18 is used in numerous sectors of industry and a wide variety of components in high- and low-temperature applications requiring medium base oil viscosity. Behaviour towards elastomers and plastics Lubricants based on perfluorinated polyether oils and polytetrafluoroethylene are generally regarded as neutral towards most elastomers and plastics (exception: perfluorinated rubber).

Nevertheless we recommend testing compatibility with the material to be used, especially prior to series application.

Note

Remove as much contaminants and residue as possible before use, apply by rubbing, oil bath or spray. Do not mix with other oils.

Packaging and storage

This product is available in 1kg tin cans, 0.5KG tin cans, 800g tubes, 10KG drums and 20KG drums in the packaging shown above. As well as personalised packaging according to customer requirements, OEM bespoke packaging.

*Store in dry conditions, away from other flammable materials, heat sources and direct sunlight.