



ZHEJIANG FENGHONG NEW MATERIAL CO. ,LTD.
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BS-1C-AB **Rheology Modifier**

GENERAL INFORMATION

BS-1C-AB is specially used in pickling oil, naphthenic oils, paraffin-based mineral oil, with good thickening properties, rust and corrosion resistance and temperature resistance. The made grease is suitable for low-speed, high-load machinery lubrication, can work for a long time at 150 °C. Its temperature resistance is better than the traditional lithium grease, polymerization of urea-based grease, and is comparable to the molybdenum disulfide grease. Can also be used for the preparation of cable grease.

| PHYSICAL PROPERTES | RECOMMENDED USE |
|---|--|
| Composition: Light yellow/Free Flowing Powder | <ul style="list-style-type: none">• pickling oil |
| Moisture(@105°C, 2hrs) : ≤3.5% | <ul style="list-style-type: none">• naphthenic oils |
| Density: 1.70g/cm ³ | <ul style="list-style-type: none">• paraffin-based mineral oil |
| Fineness: 98% Min thru 200 mesh | <ul style="list-style-type: none">• Sealants |

INCORPORATIONS

Polar activators needed when the product is applied to grease are: anhydrous acetone, ethanol/water (95/5), methanol/water (95/5). High shear is needed for production to achieve the desired expansion, the specific method of use:

- (1) In an open kettle, add 1/2 of the total base oil volume to the reactor and heat to 60~70°C;
- (2) Add BS-1C-AB(8-15% of total formula) while stirring for 10~15 minutes;
- (3) Add polar activator (16-30%, amount of clay), then add other required additives and stir for 25~30 minutes;
- (4) Add the remaining 1/2 of the base oil to the reactor and stir for 1-2 hours;



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(5) Use colloid pump to make it pass through three-roller mill or shear;

(6) Degassing, filtering and packing the lubricant.

If increasing the dispersing speed or prolonging the dispersing time, better performance can be expected.

RECOMMENDED LEVELS

The amount of BS-1C-AB rheology modifier required depends upon the type of organic system and the degree of thickening or other properties desired.

For paints, Addition levels are typically between 0.2%-2.0% based on the total formulation weight.

For lubricating grease: Addition levels are typically between 8%-15% by weight of the oil.

HEALTH AND SAFETY DATA

Before handling this material, read the corresponding Safety Data Sheet (SDS) for safety, health and environmental data.

SHELF LIFE

BS-1C-AB has a shelf life of at least two years from date of manufacture. Store in a cool dry place.

CERTIFICATIONS

ISO 9001 Quality System, ISO 14001 Environmental Management System, ISO 18001 Safety System

MANUFACTURER: ZHEJIANG FENGHONG NEW MATERIAL CO., LTD.

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