# RENOGEL BHT

## High temperature clay grease

### Description

RENOGEL BHT is produced using bentonite clay as a thickening agent in place of the normal metallic soap of conventional greases. This clay matrix will not melt and the upper working temperature is therefore limited by the physical properties of the oil. This grease can operate satisfactorily at temperatures of 160 °C with very frequent re-lubrication.

### Application

RENOGEL BHT has excellent resistance to oxidation and high resistance to water washout. RENOGEL BHT may be used in the steel, cement, brick and chemical industry where operating temperatures are above the limits for conventional soap base greases.

RENOGEL BHT can be used in the lubrication of plain and anti-friction bearings in high temperature applications such as hot gas fans / blowers, cement kilns, mill roll bearings, moulding presses, laundry and dry cleaning equipment, etc. It is available in NLGI No. 2 and No. 3 grades.

## CHARACTERISTICS

| Properties | Units | Value | | Test Method |
|---|---|---|---|---|
| NLGI Grade | | 2 | 3 | DIN 51 818 |
| DIN Classification | | K 2 P-20 | K 3 P-20 | DIN 51 825 |
| Colour | | Amber | | |
| Soap Type | | Bentonite Clay | | |
| Worked Penetration | 0.1 mm | 277 | 235 | ASTM D-217 |
| Dropping Point | °C | Indefinite | | ASTM D-566 |
| Base Oil Viscosity @ 40°C | $mm^2/s$ | 480 | 480 | ASTM D-445 |
| Oxidation Stability | Bar | 0.5 | 0.5 | ASTM D-492 |





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