



## Grease Lithium Complex S HT & S HTH

Lithium complex grease with a synthetic base oil

### **Description**

Grease Lithium Complex S HT is a high efficiency grease providing bearing lubrication for a wide range of operating temperatures from -40 up to 180 °C . This grease is capable of working under very severe operating conditions with combination of speed, temperature and loads. Specially formulated with a synthetic base oil to provide high chemical and thermal resistance and a high lubricating capacity.

### **Applications**

- Bearings operated in applications with cooling water

- Paper industry
- Steel industry
- Cement and construction industry

### **Benefits**

- High compatibility with plastics and elastomers
- Excellent anti corrosive and anti oxidant properties
- Resistance to shearing and water washout
- Increased lubrication intervals
- Increased bearing life
- Superior performance as heavy duty grease



## Typical performance data

|                                     |            | S HT 1/2        | S HTH 1/2 |
|-------------------------------------|------------|-----------------|-----------|
| Colour                              |            | Ivory           |           |
| Thickener                           |            | Lithium complex |           |
| Base oil nature                     |            | PAO+ester blend |           |
| Base oil viscosity @ 40 °C, cSt     |            | 250             | 460       |
| NLGI class                          | DIN 51818  | 1,5             | 1,5       |
| Dropping point, °C                  | ASTM D566  | >250            | >250      |
| Oil separation, 18h/140 °C          |            | 0.5             | 0,5       |
| Penetration 60W, x 0,1 mm           | ASTM D217  | 290-320         | 290-320   |
| 4-ball wear test                    | IP 239     |                 |           |
| • Welding load, kg                  |            | 240             | 240       |
| • Wear scar diameter 1h/40kg, mm    |            | 0,60            | 0,6       |
| EMCOR corrosion test                | DIN 51802  | 1               | 1         |
| Copper strip corrosion @ 24h/100 °C |            | 1b              | 1b        |
| Water washout @ 80 °C, %            | ASTM D1264 | 7               | 7         |
| Oxidation stability, 100 °C, kg/cm2 | ASTM D942  | 0,5             | 0,5       |
| Evaporation loss, 22hr/120 °C, %    | ASTM D972  | 0,3             | 0,3       |
| Flow pressure                       | DIN 51805  |                 |           |
| • @ -35 °C, mbar                    |            | 700             | 700       |
| • @ -30 °C, mbar                    |            | 750             | 750       |
| Operating temperatures, °C          |            | -40 – 180       | -40-180   |