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Product Data Sheet



NOTE: The information in this publication is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patent. Due to widely varying conditions of product use, which are beyond our control, it is strongly recommended that the product be tested for suitability. Product typical properties in this publication are current as of October 23, 2006.

BARIUM COMPLEX LUBRICATING GREASE

Sumtech AQ-320

Sumtech AQ-320 is a Barium complex ISO 320 lubricating grease for use in wet environments. The special Barium complex thickener is resistant to steam and mild alkaline and acidic solutions preventing Sumtech AQ-320 from becoming washed out of the lubricating area. The nature of the special thickener system gives Sumtech AQ-320 a very tacky nature which is similar to the specific gravity of water, providing an unprecedented level of protection against water washout and corrosion. Premium anti-oxidants provide excellent thermal stability and a blend of corrosion inhibitors extend the excellent anti-corrosion nature inherent of the thickener. Sumtech AQ-320 is the grease of choice for marine, pulp and paper, and steel mill industries where exposure to water and aggressive media cannot be avoided. Sumtech AQ-320 is also suitable for use in sealing water valves, labyrinth seals, and rotary steam unions.

| Products | Sumtech AQ-320 |
|---|---------------------|
| Color | beige, light brown |
| Texture | homogeneous |
| Base Oil | mineral oil |
| Base Oil Properties - <i>ASTM D 446</i> | |
| Viscosity at 40°C cSt | 320 |
| Viscosity at 100°C cSt | 21 |
| Viscosity Index | 75 |
| Thickener Type | barium complex soap |
| Density at 20°C (g/cm ³) | 0.98 |
| Service Temperature | -10°F to 320°F |
| NLGI Grade | 2 |
| Drop Point, <i>ASTM D 2265</i> | >220°C(428°F) |
| Penetration, <i>ASTM D217</i> | |
| Worked 60 ds | 255 - 285 |
| Oil Separation - <i>ASTM D 6184</i> | < 2% |
| 4-Ball Wear - <i>ASTM D 2266</i> | approx. 0.4 |
| 4-Ball Load Wear Index - <i>ASTM D 2596</i> | 37.4 |
| Last non Seizure load | 50 |
| Last seizure load | 250 |
| Weld load | 315 |
| Water Washout - <i>ASTM D 1264</i> | < 5 |
| Corrosion Preventative Properties, <i>ASTM D 1743</i> | Pass |
| Corrosion Preventative Properties, EMCOR - <i>ASTM D 6138</i> | 0 / 0 (no rust) |
| Copper Corrosion - <i>ASTM D 4048</i> | 1a |