

# GRASA COMPLEX THERM



## Greases

### Description

High quality grease formulated with highly refined mineral oil, thickened with a lithium soap complex and solid additives. Contains antioxidant, anticorrosive, antiwear and extreme pressure additives.

### Properties

- Grease with excellent antifriction and antiwear properties, highly water-resistant and with outstanding mechanical stability for high temperature applications
- Lubricant grease for all types of bearings, bushings and mechanisms in general subjected to very heavy loads at slow speeds and oscillating motion, used in earth-moving, civil engineering, mining, quarries, agriculture, etc.
- Suitable for use in the paper and steel industries
- Field of application from -10 °C to 160 °C.

### Quality levels

- DIN 51825 KPF 2P-10

### Technical specifications

|   | UNIT               | METHOD          | VALUE           |
|---|--------------------|-----------------|-----------------|
| Colour                                  |                    | Visual          | Black           |
| Solid content                           | %                  |                 | 1               |
| Consistency                             |                    | NLGI            | 2               |
| Type of soap                            |                    |                 | Complex lithium |
| Base oil, viscosity at 40 °C            | mm <sup>2</sup> /s | ASTM D 445      | 680             |
| Base oil, flashpoint                    | °C                 | ASTM D 92       | 312             |
| Penetration, 25 °C                      |                    |                 |                 |
| - 60 strokes worked                     | 1/10 mm            | ASTM D 217      | 273             |
| - 100,000 strokes worked                | 1/10 mm            | ASTM D 217      | 247             |
| - 100,000 strokes worked with 10% water | 1/10 mm            | ASTM D 217      | 253             |
| Dropping point                          | °C                 | METTLER FP-83HT | 260             |
| Copper corrosion, 24hr at 100 °C        |                    | ASTM D 4048     | 1a              |
| Shell Roll Test stability, 100h, 66 °C  | Points             | INTA 15074 6B   | 18              |
| Oxidation stability                     | Kg/cm <sup>2</sup> | ASTM D 942      | 0,15            |
| Four-ball machine:                      |                    |                 |                 |
| Wear (1 min/80 Kg)                      | ∅,mm               | IP 239          | 0.30            |
| Wear (1 h/40 Kg/75 °C)                  | ∅,mm               | IP 239          | 0.40            |
| Soldering load                          | Kg                 | IP 239          | 480             |

A safety data sheet is available on request.

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Technical data sheet for Lubricants. Revision 3. November 2014