

# GREASE-PLUS POLY EST 2

GREASES

324906101

**DYADE**  
LUBRICANTS



## HIGH TEMPERATURE GREASE FOR BEARINGS

This grease is formulated with polyurea technology, providing a long-lasting organic soap thickened grease with a synthetic base oil and advanced additive package for exceptional anti-wear and extreme pressure (EP) properties, as well as high antioxidant and anticorrosive capabilities. It is an ideal lubricant for bearings and mechanisms exposed to the combined effects of high temperatures, heavy loads, and water. Unlike conventional greases formulated with complex or simple soap, these greases do not contain any metallic soap, resulting in superior resistance to oxidation and aging. These greases are formulated to lubricate mechanisms under harsh operating conditions, such as steel continuous casting, where they are subjected to high temperatures (up to 200 °C with peak temperatures of 220 °C), high ferrostatic pressures, large amounts of cooling water, high levels of contamination with metallic oxides, hard particles, strips, and so on, as well as long centralized systems.

## CATEGORY

- Greases

## BENEFITS

- High mechanic work stability
- Poor variation of the consistency to temperatures increase
- Very good behavior to water and water wash-out
- Excellent sealing capacity which prevents the contamination with particles
- Very good flow characteristics in a wide temperatures range
- Long life lubricating greases
- Superior quality-price relation

| PROPERTY                                       | METHOD     | VALUE    |
|--|------------|----------|
| Colour   |            | Ivory    |
| Base oil nature                                |            | Ester    |
| Base oil viscosity @ 40 °C, mm <sup>2</sup> /s |            | 320      |
| Penetration 60W, 25 °C, x 0,1mm                | ASTM D217  | 265-295  |
| Wear scar diameter, 1h/40 kg = 0.40, x 0,1mm   |            | 0,40     |
| Wear scar diameter, 1'/80 kg =0.40, x 0,1mm    |            | 0,40     |
| Dropping point, °C                             | ASTM D566  | >250     |
| NLGI consistency                               | DIN 51 818 | 2        |
| Density @ 25 °C, kg/dm <sup>3</sup>            |            | 0.942    |
| Evaporation loss, % weight, 22hr/100 °C, %     | ASTM D971  | 0,25     |
| EMCOR corrosion test                           | DIN 51 802 | 1        |
| Copper corrosion 24h @ 100 °C                  | ASTM D4048 | 1b       |
| Operating temperatures, °C                     |            | -30- 200 |

All data on this technical data sheet is indicative only

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