

# ULTRAPLEX BA SYNT 24

## HIGH SPEED HEAVY DUTY GREASE

### DESCRIPTION

Grease made of special blend of synthetic bases thickened with barium complex soap and additives for improving resistance to oxidation, corrosion, wear and load carrying capacity.

### APPLICATIONS

It is specially indicated for lubrication of bearings and other mechanical components working under high speeds, high loads and adverse environmental conditions.

Some applications examples are: high speed spindle bearings in textile, machine tools and wood forming machines, threaded spindles, small gears, etc.

### PROPERTIES

- Outstanding friction and wear reduction on high speed bearings.

- Excellent protection to the corrosion of the metallic parts and resistance to water washing.
- Extraordinary adherence that assure protection of mechanisms under high loads and water presence.
- Because its high dropping point and special synthetic bases is able to work from -40 to +160°C, short term 200°C.
- High resistance to aging, avoiding grease degradation in service even for long relubrication intervals.
- Very good resistance against the action of most of acid and alkaline aqueous solutions.

### QUALITY LEVEL

- ISO – L – XDGIB 2

### TECHNICAL CHARACTERISTICS

|                              | Method      | Typical values | Units                 |
|------------------------------|-------------|----------------|-----------------------|
| Appearance                   | -           | Beige grease   | -                     |
| Penetration at 25°C          | ASTM D-217  | 272            | mm x 10 <sup>-1</sup> |
| Consistency NLGI             | ISO 2137    | 2              | -                     |
| Dropping point               | ASTM D-566  | 245            | °C                    |
| Base oil viscosity at 40°C   | ASTM D-445  | 22             | mm <sup>2</sup> /s    |
| Wear scar, 4 ball test       | ASTM D-2266 | 0,56           | mm                    |
| Welding load, 4 ball test    | ASTM D-2596 | 315            | Kg                    |
| Oil separation, 24 h. 100 °C | ASTM D 6184 | 2,39           | %                     |
| Speed factor                 | -           | 1.000.000      | -                     |

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