



*Low-noise, wide-temperature range*  
**MULTEMP SRL**

**Wide-temperature range rolling bearing grease**

As more and more electric motors and car electrical components are becoming smaller and lighter with higher technical advantages, bearings and other lubrication points are exposed to increasingly higher temperatures. Requirement from lubricant in this area are very severe including not only high temperature performance, but also low noise profile, low-temperature performance and rust prevention. Multemp SRL is a wide-temperature long-life grease specifically designed to meet these stringent performance requirements, and has been widely accepted with a good track record.



**PRODUCT PACKAGING**  
 ● 2.5 kg litho tin×6 (carton)  
 ● 18 kg pail  
 ● 180 kg drum

**FOUR MAIN CHARACTERISTICS**

**1 Noise Suppressant Properties**

Removal of impurities from main raw materials, strict selection of additives and use of base oil of appropriate viscosity, as well as special process in a dust-free factory have enabled Multemp SRL to realize quieter running of bearings.

**2 Performance Life at Elevated Temperatures**

Performance life of Multemp SRL lasts several times longer than those of other wide-temperature range roller bearing greases available in the market.

Multemp SRL is suitable for use in bearings at elevated temperatures for a long period.

Under regular conditions, Multemp SRL can largely extend the interval of grease refilling or bearing replacement.

**3 Low-Temperature Performance**

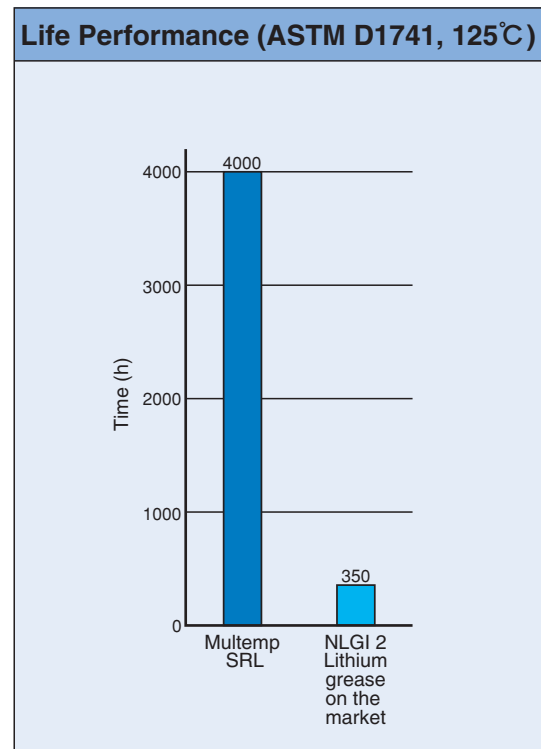
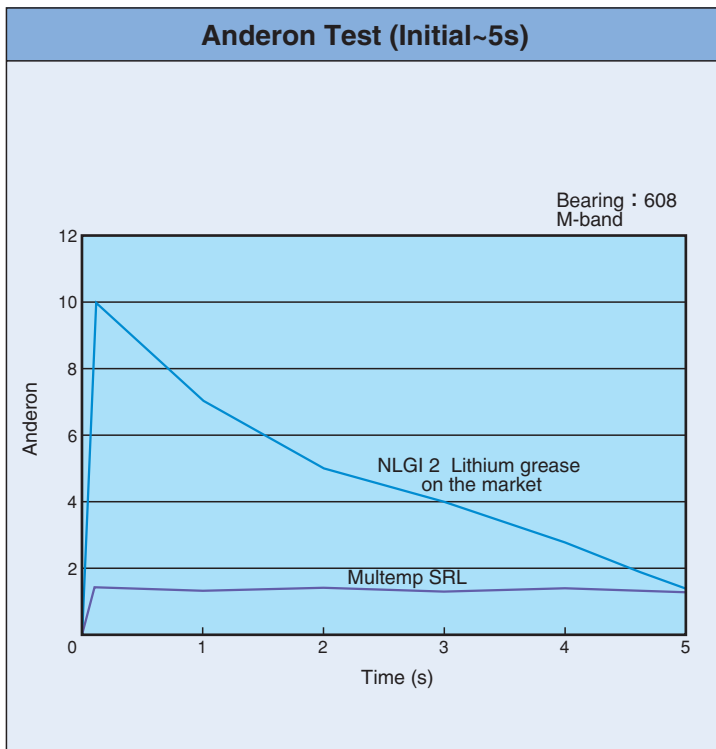
Multemp SRL is formulated with excellent synthetic lubricating oils and designed so that the structure causes the minimum internal resistance. Multemp SRL can be used as low as -40°C, thereby easing cold starting of precision machine and small-size motors.

**4 Anti-rust Properties**

Rust often causes a problem especially with car electrical components exposed to salt water and with electric motors in the presence of varnish. Multemp SRL with its reinforced anti-rust property can provide protection not only from moisture in the air but also from these severe rust-causing factors.

## Typical analyses of MULTEMP SRL

| Test item                                       |  | Multemp SRL          | Test method     |     |
|---|--|----------------------|-----------------|-----|
| Appearance                                      |  | light brown, buttery | —               |     |
| Thickener                                       |  | Lithium soap         | —               |     |
| Worked penetration                              |  | 250                  | ASTM D217       |     |
| Dropping point °C                               |  | 190                  | ASTM D566       |     |
| Copper strip corrosion                          |  | 100°C, 24h           | pass            |     |
| Evaporation loss mass %                         |  | 99°C, 22h            | 0.30            |     |
| Oil separation mass %                           |  | 100°C, 24h           | 1.2             |     |
| Oxidation stability MPa                         |  | 99°C, 100h           | 0.025           |     |
| Foreign particles particles/cm <sup>3</sup>     |  | 10 µm or larger      | 400             |     |
|   |  | 25 µm or larger      | 100             |     |
|   |  | 75 µm or larger      | 0               |     |
|   |  | 125 µm or larger     | 0               |     |
| Working stability                               |  | 305                  | FTMS 791C-313   |     |
| Water washout mass %                            |  | 38°C, 1h             | 1.3             |     |
| Low-temperature torque N·cm                     |  | -30°C                | Starting torque | 7.9 |
|   |  |                      | Running torque  | 2.5 |
|   |  | -40°C                | Starting torque | 11  |
|   |  |                      | Running torque  | 2.8 |
| Corrosion preventive properties                 |  | 52°C, 48h            | #1              |     |
| Base oil kinematic viscosity mm <sup>2</sup> /s |  | 40°C                 | 26.0            |     |
| Life performance h                              |  | 125°C                | 4000            |     |



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