



SMOOTHER WORLD BETTER LIFE

Technical Data Sheet

# TY-2100 Reducer Gear Grease

Service Temperature

**-10 °C to +120 °C**

## Examples of Application

- Small enclosed gear reducers ('Xiao Jingang')
- Enclosed gearboxes using semi-fluid grease
- Gearbox lubrication and sealing applications
- Centralized, grease-gun or manual lubrication

## Features and Benefits

- ✓ High-viscosity refined base oil
- ✓ Good adhesion to metal surfaces
- ✓ Extreme-pressure and anti-wear protection
- ✓ Helps reduce operating noise
- ✓ Low-temperature service down to -10 °C

| Property                                                 | Typical Value                 | Test Method |
|----------------------------------------------------------|-------------------------------|-------------|
| Appearance                                               | Homogeneous semi-fluid grease | Visual      |
| Base Oil Kinematic Viscosity (40 °C), mm <sup>2</sup> /s | 1500                          | ASTM D445   |
| Worked Penetration, 0.1 mm                               | 367                           | ASTM D217   |
| Dropping Point, °C                                       | 170                           | ASTM D2265  |
| Copper Strip Corrosion (100°C, 24 h)                     | 1b                            | ASTM D4048  |
| Last Non-Seizure Load (PB), N                            | 650                           | ASTM D2596  |
| Weld Point (PD), N                                       | 2452                          | ASTM D2596  |
| Corrosion Preventive Properties (52°C, 48 h)             | Pass                          | ASTM D1743  |

## Application Notes

- Follow reducer manufacturer requirements for consistency, fill quantity and relubrication. Select for speed, load, mounting position and seals.
- Confirm pumpability before centralized supply. Remove old grease and check compatibility before changing; do not mix product types or quality grades.
- Protect from water, moisture and contamination during storage and transport. Keep tools clean and collect used grease for proper disposal.

## Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Safety Data Sheet (SDS) are followed. The SDS is available upon request. Do not use this product for purposes other than the intended application. Take care to protect the environment when disposing of used product.