



**TEKAMAN**  
LUBRICATION  
TECHNOLOGY

## SMOOTHER WORLD BETTER LIFE

### Technical Date Sheet

# HW-30 High Temperature Grease

#### Product Introduction

This product is a high-end long-service polyurea grease, refined with synthetic base oil and polyurea thickener.

#### Examples of Application

- Suitable for corrugating machines, high-temperature motors, fan bearings, metallurgical conveyor rollers, automatic precision bearings and sealed heavy-duty transmission components.
- Adaptable to harsh working conditions with high temperature, humidity and dust.
- Operating temperature range: -40°C ~ 220°C, short-term resistant temperature up to 240°C.

#### Features and benefits

- Excellent high and low temperature stability, low carbonization at high temperature and favorable low-temperature fluidity.
- Compact grease texture to prevent oil splashing and leakage, featuring excellent tightness.
- Outstanding water washout resistance and corrosion resistance; low oil separation and low volatility to keep equipment clean and sludge-free.



| TESTING ITEMS                          | TYPICAL DATA | TESTING STANDARDS |
|----------------------------------------|--------------|-------------------|
| Appearance                             | White        | visual            |
| Worked Cone Penetration, 0.1mm         | 250          | ASTM D217         |
| Dropping Point, °C                     | 280          | ASTM D2265        |
| Kinematic Viscosity @40°C,, mm²/s      | 410          | ASTM D445         |
| Kinematic Viscosity @100°C,, mm²/s     | 42.5         | ASTM D445         |
| Cone Oil Separation ( 100°C, 24h ) , % | 1.8          | ASTM D6184        |
| Evaporation Loss ( 180°C, 22h ) , %    | 1.2          | ASTM D972         |
| Water Washout Loss ( 38°C, 1h ) , %    | 2.5          | ASTM D2266        |
| Copper Corrosion ( 100°C, 24h )        | 1b Class     | ASTM D130         |
| Low-temperature Torque ( -40°C )       | Pass         | ASTM D1478        |

#### \* Instructions for use:

Do not mix with other types of lubricating grease to avoid structural damage and grease failure.Clean all old grease before application; the recommended fill volume for bearings is 1/3 ~ 1/2. All above typical data are laboratory values for reference only.