



SMOOTHER WORLD BETTER LIFE

Technical Data Sheet

DW-40 Low Temperature Grease

Proposed Service Temperature

-40 °C to +120 °C

Examples of Application

- Bearings in machinery used in cold climates
- Cold stores and refrigerated conveyors
- Rolling bearings in small motors and fans
- Grease-lubricated small gears and guide rails
- Drives and actuators with frequent cold starts
- Outdoor machinery exposed to temperature changes

Features and Benefits

- ✓ Polyurea and semi-synthetic base oil; NLGI 2
- ✓ Base oil viscosity at 40 °C: 50 mm²/s
- ✓ Lubrication during cold starts and running
- ✓ Designed for cold and varying temperatures
- ✓ Lubricating film for bearings and sliding contacts
- ✓ Friction, wear and rust protection

NLGI Grade	2	Test Method
Appearance	Smooth, homogeneous grease	Visual
Thickener Type	Polyurea	/
Base Oil Type	Semi-Synthetic Oil	/
Base Oil Kinematic Viscosity (40 °C), mm ² /s	50	ASTM D445
Worked Penetration (25 °C), 0.1 mm	275	ASTM D217
Dropping Point, °C	250	ASTM D2265
Corrosion Preventive Properties (52 °C, 48 h)	Pass	ASTM D1743
Low Temperature Torque (-40 °C), Starting, N·m	0.469	ASTM D1478
Low Temperature Torque (-40 °C), Running, N·m	0.053	ASTM D1478
Last Non-Seizure Load (PB), N	618	ASTM D2596

Application Notes

- Follow equipment manufacturer instructions for fill quantity and relubrication, considering temperature, speed, load and seals.
- Apply grease evenly in the required quantity. Avoid overfilling; check temperature, noise and operation during initial use.
- Clean lubrication points and check compatibility before changing grease. Prevent water, moisture and contamination; dispose of used grease properly.

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.