



High Temp Premium 2

High performance extreme temperature grease

Product description

High Temp Premium 2 is an extreme temperature grease designed to offer long-term friction resistance and wear protection in plain and roller bearings across a wide range of speeds, even when subjected to high temperatures, heavy loads, and corrosive environmental influences.

High Temp Premium 2 is a polyurea grease, formulated with a synthetic base oil (PAO) and high performance extreme pressure (EP) additives, and offers protection to bearings against harmful contamination. It maintains lubricity in the presence of water.

Customer benefits

- Designed for long-term bearing wear and corrosion resistance with improved service life across a wide temperature window
- Helps deliver high temperature plain and roller bearing protection with long-term oxidation stability
- Formulated for robust and reliable water resistance and bearing corrosion protection
- Offers reliable wear protection at speed index (ka x n x dm): 400,000
- Promotes hard residue formation resistance

Product highlights

- **Designed for wear and corrosion resistance**
- **Helps deliver high temperature protection**
- **Formulated for water resistance**
- **Speed index (ka x n x dm): 400,000**
- **Promotes hard residue resistance**

Selected specification standards include:

DIN	ISO
Danieli	Dynapac Paver
SM Group SN 180-1	

Applications

- Offers protection to bearings subjected to extreme temperatures, such as bearings in annealing and drying furnaces, rotary kilns, cooling beds, conveyor systems, hot air fans, electric motors, exhaust gas fans for aggressive media, stop valves of bulk material equipment, ejector pins in plastic-cast tools, gates and valves in bulk material container systems.

Approvals, performance and recommendations

Approvals

- Danieli
- Dynapac Paver

Performance

DIN 51 502	ISO 6743-09	Operating temperature
KPHC P-30	ISO-L-XCFHB 2	-30°C up to +160°C, with frequent lubrication up to +180°C (for short periods)

Recommendations

- Recommended for concaster applications
- Listed at SM Group SN 180-1

Product maintenance and handling

Maintaining a clean work environment is critical when equipment greasing is performed. Grease fittings should be wiped clean prior to grease injection to prevent contaminants from entering the equipment. Bearing housings should be maintained one-third to one-half full of grease.

Over-greasing should be avoided as excessive heat build-up can result. Periodic relubrication via grease gun or centralised systems should be supplemented by complete cleaning and packing with fresh grease on an appropriate schedule. Texaco greases are available with or without drum liners to facilitate disposal in compliance with local regulations.

Typical test data		
Test	Test Methods	Results
NLGI Grade		2
Shelf Life: 36 months from date of filling indicated on the product label.		
Appearance	Visual	Beige
Texture	Visual	Smooth
Thickener Type	—	Polyurea
Base oil Type	—	PAO
Base oil viscosity at 40°C, mm ² /s	DIN 51 562	400
Base oil viscosity at 100°C, mm ² /s	DIN 51 562	40
Worked Penetration,60x, mm/10	ISO 2137	279
Dropping Point, °C	DIN ISO 2176	>240
Emcor corrosion test, distilled	DIN 51 802	Pass
Copper corrosion at 24hrs/100°C	DIN 51 811	0
Four ball Wear, method E, mm	DIN 51 51350/5	0.7
Four ball EP, N	DIN 51350/4	>2600

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

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