

GR-5000

Industrial grease for humid environments

Description

The GR-5000 is a superior quality grease for bearings which outperforms lithium, aluminum and polyurea base standard greases of the same viscosity.

Characteristics and Benefits

The GR-5000 unique formulation includes such elements as:

- Overbased calcium sulfonate complex
- Superior quality mineral base oil

This formula, made from the latest thickener technologies, allows GR-5000 to reach an exceptional level of performance: it reduces friction, protects against rust, corrosion and oxidation, provides greater heat, moisture, wear and load resistance and enhances mechanical stability.

The superior qualities of the GR-5000 grease are not affected by temperature variations. Notable benefits from the use of the GR-5000 grease include less frequent lubricating jobs and substantial savings on maintenance costs.

Types of Application

The GR-5000 performs best in bearings with a top rotational speed of 3600 rpm: bearings for dryers, bearings exposed to water (wet end paper machine), calender rolls, bearings for heavy vehicles, electrical motors.

Directions for Use

Always use GR-5000 multi-purpose grease in reference to the equipment manufacturer's manual.

Warning

Whenever performing a grease change, make sure to validate the compatibility of the various greases used (refer to [PROLAB's grease compatibility chart](#)).

Available Sizes

435 g, 55 kg, 180 kg

Product Code

268

Characteristics	ASTM Test	Typical Values
Appearance		Brown
N.L.G.I. Grade	D217	2
Viscosity at 40°C	D445	135 cSt
Viscosity at 100°C	D445	13,6 cSt
Viscosity Index	D2270	96
Dropping Point	D2265	318°C
Oil Separation at 25°C	D1742	0,2%
Consistency 60 X	D217	280 (1/10mm)
Shear Stability 100,000 X	D217	2,4%
Shear Stability 100,000 X (50/50 with water)	D217	7,9%
Roll Stability	D1831	4%
Bearing Leakage Tendancy	D4290	4 SI
Oxydation Stability 1000h	D942	9 psi
Bearing Life	D3527	100 hrs.
4-Ball Wear (75°C, 40 kg, 1200 t/m, 1h)	D2266	0,42 mm
Load Wear Index	D2596	62
Weld Load	D2596	500 kg
Timken OK Load	D2509	27,2 kg
Rust Preventative	D1743	Pass

Water Spray Resistance at 79°C	D1264	0,5%
Corrosion - Copper Strip	D130	n/a
Saly Fog (1 mil d.f.t.)	B117	>300 hrs.
Low Temperature Torque at -40°C	D4693	12 Nm
Pumpability		
-18°C (0°F)		10,9 gr/min
-23°C (-10°F)		3,6 gr/min
-29°C (-20°F)		1 gr/min
-34°C (-30°F)		0 gr/min

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