

GSA-6000

Food grade industrial grease 100% synthetic

Description

The GSA-6000 is a synthetic, superior quality food industry grease which outperforms lithium, aluminum and polyurea base standard greases of the same viscosity.

Characteristics and Benefits

This formula is EXCLUSIVE to Prolab

The GSA-6000 unique formulation includes such elements as:

- Overbased calcium sulfonate complex
- Prolab Antifriction Treatment
- Superior quality synthetic oil
- Superior quality adherence agents

GSA-6000 food grade grease formula reaches an EXCEPTIONAL LEVEL of PERFORMANCE

In all season, it reduces friction, protects against rust, corrosion and oxidation, provides exceptional moisture, wear and load resistance as well as excellent thermal and mechanical stability. Even though the GSA-6000 food grade synthetic grease is classified as NLGI 2, it has pumpability characteristics similar to those of NLGI 0 grade: it is best suited for high rotational speeds (between 3000 and 10 000 rpm).

The GSA-6000 food grade synthetic grease is both POLYVALENT and ECONOMICAL

Encompasses three NLGI grades, thus allowing for reduced grease inventories and less frequent lubricating jobs and, consequently, less energy and grease consumption.

The GSA-6000 food grade synthetic grease is PRACTICAL and SAFE TO USE

It has approval from NSF (H1 - acceptable as lubricant with incidental food contact) , and also CFIA approved. It contains no contaminants harmful to health or the environment. It is offered in a variety of sizes.

Types of Application

The GSA-6000 food grade synthetic grease is a must for every type of business operating in the food industry.

Directions for Use

Always use GSA-6000 food grade synthetic grease in reference to the equipment manufacturer's manual

Warning

Avoid unneeded contact with food during application. Use the minimum required quantity. 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

415 g, 17 kg, 55 kg, 180 kg

Product Code

275

Characteristics	ASTM Test	Typical Values
Appearance		Beige
N.L.G.I. Grade		2
Viscosity at 40°C	D445	45 cSt
Viscosity at 100°C	D445	7,5 cSt
Viscosity Index	D2270	132
Dropping Point	D2265	318°C
Oil Separation at 25°C	D1742	0,1%
Oil Separation at 100°C	D6184	0,2%
Evaporation Loss (22hrs à 99°C)	D972	0,11%
Consistency 60 X	D217	290 (1/10mm)
Shear Stability 100,000 X	D217	288 (1/10mm)
Shear Stability 10,000 X (50/50 with water)	D1831	0,3%
Roll Stability	D1831	n.d.
Wheel Bearing Leakage	D4290	4.5g

Oxidation Stability 1000h	D942	4.0 psi
Bearing Life	D3527	280 hrs
4-Ball Wear (75°C, 40 kg, 1200 t/m, 1h)	D2266	0,42 mm
Load Wear Index	D2596	55
Weld Load	D2596	400 kg
Timken OK Load	D2509	27,2 kg
Rust Preventative	D1743	Pass
Water Washout Loss at 80°C	D1264	0,5%
Corrosion - Copper Strip	D130	1b
Salt Fog (1 mil d.f.t.)	B117	>300 hrs.
<p>Seals Compatibility:</p> <ul style="list-style-type: none"> - NBR-L, 70 hrs. at 150°C, (% swell) - Hardness, Duromètre A - CR, 70 hrs at 100°C (% swell) - Hardness, Duromètre A 	D4289	<p>3%</p> <p>-1</p> <p>7,7%</p> <p>-4</p>
Dielectric breakdown	D149	6.2 Kv
<p>Low Temperature Torque</p> <p>@ -18°C start</p> <p>@ -18°C after 1 hr.</p>	D1478	<p>767 gr/cm²</p> <p>117 gr/cm²</p>

@ -29°C start		1827 gr/cm ²
@ -29°C after 1 hr.		156 gr/cm ²
@ -40°C start		3783 gr/cm ²
@ -40°C after 1 hr.		598 gr/cm ²
Pumpability		
+ 15,5°C (60°F)		1154 gr/min
-18°C (0°F)		124,6 gr/min
-23°C (-10°F)	US Steel	74,8 gr/min
-29°C (-20°F)		42,7 gr/min
-34°C (-30°F)		25,6 gr/min

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