

GSA-4000

Extreme-pressure, water-resistant grease for incidental food contact

Description

GSA-4000 is a high-performance, multi-purpose grease specifically designed for equipment maintenance in the food and pharmaceutical industries. Its calcium sulfonate thickener provides exceptional protection against wear, heavy loads, and moisture surpassing most conventional lithium, aluminum, or polyurea-based greases.

Features and Benefits

Registered with NSF for incidental food contact (H1), GSA-4000 benefits from a thickener whose intrinsic properties enhance protection against wear and corrosion. Thanks to its excellent physico-chemical performance, it is suitable for a wide range of applications, including bearing lubrication up to 3500 RPM, use in automated/centralized lubrication systems, and protection of mechanical components exposed to highly humid environments.

Applications

GSA-4000 is recommended for lubricating bottling equipment, mixers, bearings, conveyors, and plain bearings. It offers a service temperature range from $-20\text{ }^{\circ}\text{C}$ to $120\text{ }^{\circ}\text{C}$. For any technical or compatibility questions, please contact your Prolab Technolub representative.

Directions for Use

Use GSA-4000 in accordance with the equipment manufacturer's recommendations.

Properties	Method	Value
N.L.G.I. Grade		2
Color		Beige
Penetration at 25 °C	ASTM D217	275 mm/10
Base oil viscosity at 40 °C	ASTM D445	105 cSt
Base oil viscosity at 100 °C	ASTM D445	11 cSt
Dropping point	ASTM D2265	314 °C
Rust resistance	ASTM D1743	Pass
Copper corrosion	ASTM D4048	Pass, 1B
Oil separation 25 °C	ASTM D3527	0.1 %
Pumpability at -20 °C	US STEEL	20 g/min
Wear (4-Balls)	ASTM D2266	0.46 mm
Weld point (4-Balls)	ASTM D2596	400 kg
Timken OK Load	ASTM D2509	28.5 kg
Bomb Oxidation	ASTM D942	6 psi
Roll stability	ASTM D1831	1.9 %