

PETRONAS Grease FG

Advanced Approved Food Industry Grease



Food Applications



Heavy Loads



High Temperatures



Extreme Pressure



Lubrication Systems

Description

Petronas Grease FG is a leading edge high quality NLGI 2, Aluminium Complex, polymer thickened, multipurpose grease intended specifically for the lubrication of machinery used in the processing and packaging of food. It meets NSF H1 (Former USDA 1998 H1 type) guidelines for greases used in applications where incidental food contact may occur and is manufactured using white oils and other ingredients which are

permitted substances for the preparation of lubricants in terms of the FDA regulation 21 CFR 178.3570. It contains special food grade EP and anti-bacterial additive. It is a white grease of smooth, tacky consistency and may be used in a wide variety of applications in the food processing and packaging industry.

Applications

Petronas Grease FG is designed specifically for the lubrication of food and sanitary machinery under a wide range of operating conditions with specific applications that include all enclosed Journal and anti-friction bearings, slides and cams, in-plant and mobile equipment handling food products and sanitary equipment where incidental food contact may occur.

Typical applications include, bottlers, canners, seaming rolls, slicers, peelers, cutters, dicers, hydrostatic cookers, grain handling equipment, malting operations and fillers, packagers and wrappers, knives (skinning), tabletisers / capsulators, central lubrication systems.

Operating Temperature from -20°C to +150°C (max).

Features & Benefits

- FDA approved ingredients
- Meets NSF H1 (Former USDA 1998 H1 type) guidelines
- Excellent load carrying ability
- Excellent resistance to water wash-out and water spray off resistance;
- Wide operating temperature range
- Very good rust and oxidation inhibition
- Superior shear stability
- Balanced performance for wide range of industrial equipment
- Controlled oil bleed

Approvals / Registrations



H1 APPROVED

- NSF H1 Registered
- Halal Certified
- Kosher Certified

Product Data Sheet

Effective Date 01.01.2015 Version 1.0

PETRONAS
High Performance Grease



Typical Properties

	Test Method	Unit	Petronas Grease FG
DIN Classification	DIN 51502 / DIN 51825		KP2K-20
ISO Classification	ISO 12924		L-XB(F)CDB2
NLGI Grade	ASTM D217		2
Thickener Type			Aluminium Complex
Colour	Visual		White
Penetration, @ 25°C Worked	ASTM D217	0.1 mm	280
Dropping Point	IP 396	°C	240
Base Oil Type			Pharmaceutical White Oil
Viscosity of Base Oil @ 40°C	ASTM D445	cSt	550 (with Polymer)
4-Ball Weld Load	DIN 51350:4	N	6000
4-Ball Wear Scar 40kg/1hr	DIN 51350:5	mm	0.7
Density	IP PM-CS/03	g/ml	0.92
Oxidation Stability @ 100hrs	ASTM D942	kPa Drop	30

Health & 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. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment. Due to continual product research and development, the information contained herein is subject to change without notification.