

G-2233-1 Synthetic H1 Food Machinery Grease



G-2233-1 Grease is a member of a family of technologically advanced greases which have been developed by complexing modified overbased calcium sulfonates. This technology, developed and patented by Chemtura, is characterized by exceptional mechanical stability, high dropping point, high load carrying performance, reduced wear, and excellent resistance to water and corrosion. This technology equals and in many ways outperforms other premium, high temperature greases such as Lithium Complex, Aluminum Complex and Polyurea.

FEATURES AND BENEFITS

Thermal and Mechanical Stability

- Superior mechanical stability versus other thickeners, particularly in the presence of heat and water
- High dropping point, typically in excess of 300°C

Load Carrying & Wear Protection

- Excellent EP and AW properties inherent in the thickener
- Does not require the use of additional additives

Low Temperature Properties

- Excellent mobility and torque at temperatures down to -40°C

Colorant

- Contains no colorant

Resistance to Water

- Formulated for enhanced resistance to water

Corrosion Resistance

- Sulfonates are known and used for their excellent rust prevention properties
- This property is inherent in the thickener
- Will easily outperform all other technologies

Resistance to Oxidation

- Formulated with low viscosity PAO
- Life performance is typically increased by up to four times that of a regular mineral oil based grease

APPLICATION AREAS

G-2233-1 Grease is an H1 grease for incidental contact with food. It is designed for use in all food processing operations including mixing, stirring, baking, frying, cooking, freezing, cleansing, packaging, canning and bottling.



TYPICAL DATA

PROPERTIES	TEST METHOD	G-2233-1
NLGI Grade	ASTM D217	1
Colour	Visual	Tan
Texture	Visual	Smooth
Dropping Point, °F	ASTM D2265	605
Consistency, 60 strokes	ASTM D217	325
Base Oil Viscosity, cSt @ 40°C	ASTM D445	50
Mechanical Stability	ASTM D217	
Worked 10,000 strokes, % change		+2.5
Roll Stability, 50% water, % change in pen	ASTM D1831	0.5
Timken OK Load, kg	ASTM D2509	27.2
4-Ball EP: LWI, kgf	ASTM D2596	55
Weld Point, kg		400
4-Ball Wear, mm	ASTM D2266	0.45
Rust Test, rating	ASTM D1743	Pass
Salt Fog Corrosion, 1 mil d.f.t., hours	ASTM B117	>1000
Copper Corrosion, rating	ASTM D4048	1B
Wheel Bearing Leakage, grams	ASTM D4290	5.5
Bearing Life Performance, hours	ASTM D3527	220
Bomb Oxidation, psi drop after 1000 hours	ASTM D942	4.0
Oil Separation, % loss	ASTM D1742	0.1
Water Washout at 80°C, % removed	ASTM D1264	0.5
Low Temperature Torque, @-40 C, g-cm	ASTM D1478	
Start		3500
60 minutes		350
Mobility @ 150 psi, -18°C, g/minute	US Steel Method	86.4

The values quoted above are typical of normal production. They do not constitute a specification.

May be available in other NLGI Grades, to a minimum cone penetration of 260 mm/10 (Grade 2.5).

(Performance data may vary between grades).



HANDLING INFORMATION

G-2233-1 Grease may be handled using conventional grease handling and dispensing methods.

SAFETY INFORMATION

For more extensive information on the safe handling and use of this product, see the Material Safety Data Sheet.

SHIPPING INFORMATION

Petroleum Lubricating Grease available in a wide range of containers.



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