

G-2161-2 Synthetic H1 Food Machinery Grease



G-2161-2 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

Resistance to Water

- Excellent resistance to water washout

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

- The use of a premium antioxidant and a high performance, low viscosity PAO ensures superior thermal and oxidation stability
- Bearing life typically in excess of 200 hours

APPLICATION AREAS

G-2161-2 Grease is a mid-viscosity synthetic H1 formulation designed to provide superior performance at elevated temperatures and during periods of infrequent lubrication in food processing applications. It can be used in medium to high speed bearings, sealed for life bearings, and in most extended life operations.



TYPICAL DATA

PROPERTIES	TEST METHOD	G-2161-2
NLGI Grade	ASTM D217	2
Colour	Visual	Tan
Texture	Visual	Smooth
Dropping Point, °F	ASTM D2265	605
Consistency, 60 strokes	ASTM D217	280
Base Oil Viscosity, cSt @ 40°C	ASTM D445	100
Mechanical Stability Worked 100,000 strokes, % change	ASTM D217	4.8
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 D1743	0.4
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	3.8
Bearing Life Performance, hours	ASTM D3527	240
Bomb Oxidation, psi drop after 1000 hours	ASTM D942	6.0
Oil Separation, % loss	ASTM D1742	NIL
Water Washout at 80°C, % removed	ASTM D4693	0.5
Low Temperature Torque, @-40°C, Nm	ASTM D1742	3.5
Mobility @ -18oC, g/minute	US Steel Method	30
Low Temperature Torque, @-18°C, Nm	ASTM D1478	
Start / 60 minutes		600/125
-40°C, g-cm	ASTM D1478	
Start / 60 minutes		6000/900

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-2161-2 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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