

G-2253-2

Calcium Sulfonate Complex Grease

G-2253-2 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
- Contains 5% MoS₂ for additional load carrying capacity

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 ensures excellent thermal and oxidation stability

Environmental

- Does not use Chlorine, Phosphorous, Free Sulfur, Lead, Antimony, Zinc or Barium

APPLICATION AREAS

G-2253-2 Grease was designed as a heavy duty grease for off-road, construction and mining equipment. It is formulated with an ISO150 petroleum base oil package for cost effective performance.



TYPICAL DATA

PROPERTIES	TEST METHOD	G-2253-2
NLGI Grade	ASTM D217	2
Colour	Visual	Grey
Texture	Visual	Smooth
Dropping Point, °F	ASTM D2265	605
Consistency, 60 strokes	ASTM D217	280
Molybdenum disulfide content, %		5.0
Mechanical Stability Worked 100,000 strokes, % change	ASTM D217	2.5
Roll Stability, 50% water, % change in pen	ASTM D1831	-15
Timken OK Load, kg	ASTM D2509	31.7
4-Ball EP: LWI, kgf	ASTM D2596	105
Weld Point, kg		800
4-Ball Wear, mm	ASTM D2266	0.49
Rust Test, rating	ASTM D1743	Pass
Salt Fog Corrosion, 1 mil d.f.t., hours	ASTM B117	>2000
Copper Corrosion, rating	ASTM D4048	1B
Bomb Oxidation, psi drop after 1000 hours	ASTM D942	9.0
Water Washout at 80°C, % removed	ASTM D1264	0.05
Base Oil Viscosity, cSt @ 40°C	ASTM D445	150
Low Temperature Torque, @-40°C, Nm	ASTM D4693	9.5
Low Temperature Torque @ -32oC, g-cm	ASTM D1478	
Start		6800
60 Minutes		1100
Low Temperature Mobility, g/min @ 150 psi	US Steel	
-18 C (0°F)		1250
- 23 C (-10°F)		5.50
29 C (-20°F)		2.50

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

For alternate grades of this product please consider G2254-1 or G2255-0.

For ultra low temperature performance we recommend G2256-0 and for high temperature operations, G2257-2.



HANDLING INFORMATION

G-2253-2 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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