

Product Description

Uniplex Grease's are technologically advanced greases which have been developed by complexing modified overbased calcium sulfonates. This technology, developed and patented, 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, Aluminium Complex and Polyurea.

Product Features & 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

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 premium antioxidants ensures excellent thermal and oxidation stability

Application Areas

Uniplex grease exceeds the requirements for NLGI GC/LB certification and is therefore suitable for use in automotive and truck wheel bearings and chassis components. It is also an excellent multipurpose industrial bearing grease and has found use in all manner of moderate to heavy duty industrial applications.



Technical Data

Technical Data Sheet

Properties	Test Method	Grade	
		1	2
NLGI Grade	ASTM D217	1	2
Colour	Visual	Brown	Brown
Texture	visual	Smooth	Smooth
Dropping Point °C	ASTM D2265	318	318
Consistency, 60 Strokes	ASTM D217	325	325
Mechanical Stability Worked 100,000 strokes, % change Worked 10,000 strokes, with 50/50 water, % change	ASTM D217	2.5 8.1	2.5 8.1
Timken OK Load, kg	ASTM D2509	24.9	24.9
4-Ball EP: LWI, kgf : Weld Point, kg	ASTM D2596	55 400	62 500
4-Ball Wear, mm	ASTM D2266	0.42	0.42
Rust Test, Rating	ASTM D1743	Pass	Pass
Salt Fog Corrosion, 1 mil d.f.t., Hours	ASTM B117	>300	>300
Wheel Bearing Leakage, grams	ASTM D4290	6.0	6.0
Bearing Life Performance, hours	ASTM D3527	100	100
Water Washout	ASTM D1264	1.0	0.5
Oil Separation @100°C, %Loss	ASTM D6184	0.2	0.2
Base Oil Viscosity @40°C	ASTM D445	135	135
Bomb Oxidation, psi drop after 1000 hours	ASTM D942	10.0	10.0
Low Temperature Torque at -40°C, Nm	ASTM D4693	10.0	10.0

