

## PRISTA® LITHIUM 2

### Multipurpose Lithium Grease

#### Description

PRISTA® LITHIUM 2 is lithium thickened lubricating grease based on high quality mineral base oil. The grease contains antioxidants, rust and corrosion inhibitors and AW additives as well as water resistance and mechanical stability improvers.

The product is a general multipurpose grease suitable for a wide spectrum of applications within given temperature limits.

#### Application

PRISTA® LITHIUM 2 is a high quality multipurpose grease for general lubrication under normal operating conditions and loads in both industrial and automotive applications. The product offers good mechanical stability and corrosion protection, making it suitable for bearing lubrication even in wet environments. It is formulated for lubrication of all kinds of universal applications in transport, agriculture and off road equipment.

The application temperature range is from -30°C to +120°C (max +130°C).

#### Technical Designation

- ISO 6743-9; ISO-L-XCCHA 2
- DIN 51502; K2K-30

#### Performance Features

- **Good Mechanical Stability** – This is particularly important where poor mechanical stability can lead to grease softening with subsequent loss of lubrication performance and leakage.
- **Good Water Resistance and Rust Inhibiting Properties** – formulated to offer high levels of resistance to water wash-out. Have the ability to protect bearing surfaces against corrosion, even when the grease is contaminated with water.
- **Fair Load Carrying Capacity** – Contain anti-wear additives which enable them to protect the metal surfaces against failure.
- **Very Good oxidation Stability** – Specially selected base oil components have excellent oxidation resistance. Their consistency will not alter in storage and they withstand high operating temperatures without hardening or forming bearing deposits
- **Wide Range of Applications** – Industrial and Automotive

#### Technical Data

Characteristics	Test Method	Unit	Typical Value
NLGI Grade	ASTM D217		2
Thickener			Lithium
Base Oil			Mineral
Base Oil Viscosity at 40°C		mm <sup>2</sup> /s	120
Color	Visual		Yellow-to-Brown
Appearance	Visual		Smooth and Homogenous
Cone Penetration, Worked	ISO 2137	1/10 mm	280
Dropping Point	ISO 2176	°C	190

*The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.*

# PRODUCT INFORMATION



PERFORMANCE TESTS	Test Method	Unit	Typical Value	
<b>LOW TEMPERATURE PROPERTIES</b>				
Low Temp. Flow Pressure	DIN 51 805	mbar	1200	at -30°C
<b>RUST &amp; CORROSION PREVENTING PROPERTIES</b>				
Corrosive Effects on Copper	ASTM D4048	Rated	1b	24 hrs at 100°C
Dynamic Rust Test, EMCOR	ISO 11007	Rated	1-1	Distilled Water
<b>EFFECT ON WATER</b>				
Water Washout Test	ISO 11009	%	10	60 min at 80°C
Water Resistance Test	DIN 51 807-1	Rated	1-90	3 hrs at 90°C
<b>OIL SEPARATION – STORAGE STABILITY</b>				
Oil Separation	DIN 51 817	%	5	168 hrs at 40°C – MW
	ASTM D1742	%	5	24 hrs at 25°C – AP
<b>MECHANICAL STABILITY</b>				
Prolonged Cone Penetration	ISO 2137	1/10 mm	10	10K cycles
Roll Stability	ASTM D1831	%	± 6	
<b>EXTREME PRESSURE PROPERTIES</b>				
<b>Four-Ball EP Test</b>				
- Weld Point	ASTM D2596	N	2000	1770 rpm, 10 s, 27°C
	DIN 51350-4	N	-	1420 rpm, 60 s, Room
<b>Four-Ball Wear Test</b>				
- Wear Scar Diameter	ASTM D2266	mm	-	1200 rpm, 60 min, 75°C, 392N
	DIN 51350-5	mm	-	1420 rpm, 60 min, Room, 300N (Proc. D)
<b>OXIDATION STABILITY</b>				
Oxidation Stability, Pressure Drop	ASTM D942	kPa	28	100 hrs at 100°C

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