

LITHIUM GREASE LS7/LS183

Description

Lithium grease is a multi-purpose lubricating grease composed of highly refined mineral oils thickened with a lithium soap. The addition of extreme pressure (EP), anti-wear, anti-oxidation and corrosion inhibiting additives provide the performance level expected of a multi-purpose grease.

Lithium grese is designed for use in many applications including agricultural, automotive, construction, commercial, forestry, industrial and marine, and is suitable for the lubrication of anti-friction and plain bearings.

Features & Benefits

- Outstanding load bearing and anti-wear properties reduces lubrication costs
- Excellent rust and corrosion protection
- Multi-purpose applications
- Other NLGI grades available

Method of Application

Always follow the equipment manufacturer's recommendations and instructions prior to use. As with all greases used for the first time, check compatibility with the grease applied previously and if necessary, clean or purge components prior to application. To ensure adequate lubrication, apply the quantity of grease recommended by the equipment manufacturer.

Packaging

To customer requirements. Minimum order quantities apply.

Storage

Products should always be stored in their original packaging and at temperatures between 0°C and 25°C, away from any moisture and direct sources of heat or sunlight. The recommended shelf life for grease is 2 years when stored under normal recommended conditions.

Handling

For more extensive information on the safe handling and use of this product, please refer to the product safety data sheet (SDS). A copy of the SDS is available on request.

Harmonised Commodity (HS) Code: 27101999

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Technical Data

Technical data provided is typical of a production batch and as such, batch-to-batch variations may occur. Please note that method-specific repeatability and reproducibility tolerances are also applicable.

Properties	Unit	Method	Typical
Appearance	-	-	Smooth Grease
Colour	-	-	Brown
NLGI Grade	-	-	2
Thickener	-	-	Lithium
Base Oil	-	-	Mineral Oil
Base Oil Viscosity @ 40°C	cSt	ASTM D445	150
Worked Penetration	dmm	ASTM D217	265-295
Dropping Point	°C	ASTM D2265	>180
Four Ball Weld Load, 10s	kgf	IP 239	280
Four Ball Wear Scar, 40kg 1 hour	mm	IP 239	0.53
Extended Worked Penetration 100,000 strokes	dmm	ASTM D217	+39
Roll Stability – 2 hours @ 35°C	dmm	ASTM D1831	+22
Oil Separation 42 hours @ 40°C 168 hours @ 40°C	% %	IP 121	1.7 3.7
Copper Corrosion 24 hours @ 100°C	-	ASTM D4048	1b
Corrosion (EMCOR) Distilled Water	-	ASTM D6138	0,0
Corrosion	-	ASTM D1743	Pass
Water Washout 1 hour @ 79°C	%	ASTM D1264	6.2
Water Spray-Off	%	ASTM D4049	78
Oxidation Stability Time to 10% Loss @ 160°C	min	ASTM D8206	190
FFK Flow Pressure, - 30°C	hPa	DIN 51805-2	950
Operating Temperature	-	-	-30°C to +140°C