



Product Data

BP Energrease LS Range

Multi-purpose - general grease

Description

BP Energrease™ LS grades are lithium soap based greases incorporating solvent-refined mineral oils. They contain oxidation and corrosion inhibitors which help to ensure long service life and a high level of protection for metal surfaces. They are additionally water-resistant.

Application

Energrease LS grades are primarily intended for use in plain and anti-friction; ball and roller bearings besides other machinery applications. They are recommended for use under normal load conditions, within an operating temperature range of -25°C to +130°C. Due to the low viscosity used in these products, they are particularly suitable for high speed bearings.

Energrease LS 3 is suitable for severe vibration conditions.

Advantages

- Long service life
- Water resistant
- Good pumpability
- Vibration resistant

Typical Characteristics

Typical Characteristics	Test Methods	Units	LS 1	LS 2	LS 3
Thickener type	-	-	Lithium	Lithium	Lithium
NLGI Classification	ISO 2137 / ASTM D 217	-	1	2	3
Colour	Visual	-	light brown	light brown	light brown
Texture	Visual	-	smooth	smooth	smooth
Drop Point	ISO 2176 / ASTM D2265	°C	190	190	190
Base oil viscosity @ 40°C	ISO 3104/ ASTM D445	mm ² /s	110	110	110
Worked Penetration, 25°C / 60 strokes	ISO 2137 / ASTM D 217	0.1mm	310-340	265-295	220-250
Working Stability 60 / 100000 strokes	ISO 2137 / ASTM D 217	0.1mm		40	45
Oil Separation 168 h / 40°C	IP 121/ DIN 51817	%wt		3	1
Anti -Rust Performance (Emcor)	IP 220 / DIN 51802	-		0/0	0/0
Copper-Corrosion, 24h@120°C	ISO 2160 / ASTM D4048			1-120	1-120
Oxidation Stability 100 h/100°C	ASTM D942 / DIN 51808	bar		0.2	0.2
Water resistance, 3h	DIN 51807/1	-		1-90	1-90
SKF-R2F-test rig Run Cond. 'B', 130°C	DIN 51806	-		pass	pass
Flow pressure: -20°C	DIN 51805	mbar		1000	1400
DIN Classification	DIN 51502 / DIN 51826	-		K2K	K3K

Subject to usual manufacturing tolerances.

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