Product Data

Olit CLS

Water-resistant long-term grease

Description

OLIT™ CLS is an extremely water-resistant high performance grease on a lithium/calcium base. It excellently protects against wear and is optimally suited for long-term application and long relubrication intervals. Its extreme resistance against water, caustic soda and detergents guarantees high operational reliability even under aggressive ambient conditions. In progressive centralized lubricating systems OLIT CLS is easily pumpable and maintains its grease and long-term stability even under high operating pressures above 350 bar.

Application

- In highly loaded sliding and rolling bearings.
- Under difficult operating conditions, i.e. lubricating points exposed to weather, humidity, dust and high loads.
- As underwater grease for dredgers, lifting devices etc. in gravel plants and sewage treatment plants.
- For bearing lubrication in the beverage and sugar industries.
- In progressive centralized lubricating systems even under high working pressures above 350 bar.
- Temperature application range: - 30°C/- 22°F to + 120°C/+ 248°F

Advantages

- OPTITEC™ - CASTROL OPTIMOL technology.
- High resistance against: water, detergents and caustic soda
- Optimum sealing of bearings due to water-resistant grease collar
- Excellently pumpable in centralized lubricating systems, no blocking of the distributors
- Aging-resistant and shear-stable
- Long-term stability
- Excellent pressure resistance
- Very good corrosion protection

Typical Characteristics

Name	Method	Units	Olit CLS
Colour	Visual	-	Beige
Base oil	-	-	Mineral
Thickner type	-	-	Lithium- calcuim
Worked Penetration (60 strokes @ 25°C / 77°F)	ISO 2137 / ASTM D217	0.1 mm	265-295
Density @ 20°C / 68°F	ASTM D4052	kg/m³	905
Dropping point	ISO 2176 / ASTM D566	°C/°F	148/298.4
Water Resistance	DIN 51807-1	Rating	1
Rust Test - EMCOR (distilled water)	ISO 11007 / ASTM D6138	Rating	0
Copper Corrosion (24 hrs,100°C / 212°F)	ASTM D4048	Rating	0
Oil Separation (168 hrs @ 40°C / 104°F)	IP 121 / DIN 51817	%wt	1.44
Flow pressure @ -20°C / -4°F	DIN 51805	mBar	300
Flow pressure @ -35°C / -31°F	DIN 51805	mBar	810

Subject to usual manufacturing tolerances

Additional Information

- Please follow the specifications of the bearing and plant manufacturers.
- Grease rolling bearing, fill rolling bearing only about half-full with OLIT CLS.
- In case of relubrication, pump grease into the bearing until fresh grease vents.

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Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

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