Product Data

Castrol Spheerol PU 100-2

Electric motor polyurea grease

Description

Castrol Spheerol PU 100-2 is a polyurea thickened lubricating grease based on mineral oil. The grease contains antioxidants, corrosion inhibitors and EP/AW additives. The thickener structure gives the product a high degree of mechanical stability, which enhances the performance in electric motor bearings and increases re-lubrication intervals.

Spheerol PU 100-2 with its inherent oxidation resistant properties, makes the product suitable for applications within a very wide temperature range and especially at high temperatures.

Application

- Suitable for applications with working temperature range of -20ºC (-4ºF) to 160ºC (320ºF).
- Suitable for industrial and marine electrical motors bearings, fan and generators bearings.
- Suitable for ball or roller bearings operating at high temperatures where low oil separation is required.
- Meets requirements of DIN 51502 K2P-20.

Advantages

- Excellent performance at high temperatures up to 160ºC.
- Excellent oxidation and mechanical stability leading to long grease life and increased regreasing intervals.
- Corrosion protection specifically developed for use in marine applications or where bearings are loaded with water.
- Good water resistance.
- Blue color allows easier visual inspection.

Typical Characteristics

Name	Method	Units	Spheerol PU 100-2
Thickener			Polyurea (MDI)
Base fluid			Mineral oil
Color			Blue
Consistency (NLGI grade)	NLGI		2
Dropping point	ASTM D2265	°C (°F)	> 260 (>500)
Penetration 60 strokes	ASTM 217	1/10 mm	265 - 295
4-ball weld load	ASTM D 2596	kg	250
4-ball wear scar	ASTM D 2266	mm	0.45
Water wash out at 79°C/175°F	ASTM D 1264	% loss	4
Corrosion protection	ASTM D 1743	Rating	Pass
Copper corrosion, 24h/100°C	ASTM D 4048	Rating	1a
High temperature grease life at 177°C/350°F	ASTM D 3336	hr	> 750
Oil separation, 168 hrs, 40°C	DIN 51807-1	% loss	1.8

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

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