



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 -20°C (-4°F) to 160°C (320°F).
- 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 160°C.
- 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 colour 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 w eld load	ASTM D 2596	kg	250
4-ball w ear scar	ASTM D 2266	mm	0.45
Water w ash 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.

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60C, exposed to hot sun or freezing conditions.

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