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SP 231

PTFE Synthetic grease

DESCRIPTION

SP 231 is a special synthetic grease thickened with complex lithium soap. The specific additive pack includes anti-wear, antioxidant, anti-rust and EP components.

The high PTFE content allows to reduce the friction coefficient more than the equivalent no-PTFE lubricants.

The PTFE particles enter the surface micro wrinkles, covering the metal with a protective thin layer improving the surface contact effectively without impacting the coupling tolerance.

TYPICAL PROPERTIES

- ✓ Outstanding resistance to the oxidation
- ✓ High EP properties
- ✓ Excellent anti-rust and anti-corrosion effect
- ✓ High stability under mechanical shear stress
- ✓ Compatible with plastics and elastomers
- ✓ Wide temperature range (-30°C ↔ 200°C)

APPLICATION

SP 231 provides a high-performance lubrication in several machinery applications, either in transportation or in industry.

The product can be specifically used to lubricate homokinetic joints, tripod joints and bearings also under high humidity service condition.

SP 231 is regularly used by SPII-Schaltbau to lubricate mechanical parts of railway drive desk and master controllers.

TYPICAL DATA

Appearance	creamy
Colour	white
Solid additive	PTFE
Thickener	Lithium complex
Consistency NLGI	2
Worked penetration 60 strokes at 25°C	280 mm 10 ⁻¹
Worked penetration 10.000 strokes at 25°C	280 (±20) mm 10 ⁻¹
Drop point	>260 °C
Kinematic viscosity at 40°C	220 cSt
Storage oil separation (30h at 100°C)	< 5 % (weight)
Speed factor (rpm/min x diameter)	350.000
Temperature range	-30°C ↔ +200 °C

SAFETY AND HANDLING

Please refer to the material safety data sheet before use.

PACKAGING

SP 231 is supplied as 80g tube, 0,9kg jar and 4,6kg can.

Note

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