Texclad EPS 1

High performance aluminium complex grease

(previously known as Texclad AL EP 1)

Product description

Texclad EPS 1 is a high performance aluminium complex grease, suitable for lubrication of roller and friction bearings under high pressure and high temperatures even under dusty and wet conditions.

Texclad EPS 1 is formulated with an aluminium complex base, in combination with an advanced oxidation, corrosion and adhesion additive package to provide effective protection across a wide temperature range.

Customer benefits

- Highly stable aluminum complex formulation offers effective oxidation stability, contributing to grease breakdown resistance.
- High Pressure and high thermal load capacity helps resist component wear across a wide temperature range.
- Advanced adhesive properties help provide long-term equipment protection from dust and other contaminants.
- Good water-resistant performance helps protect components in wet and corrosive operating conditions.
- Advanced formulation designed to offer good corrosion resistance.

Product highlights

- **Offers effective oxidation stability.**
- **High pressure and high thermal load capacity.**
- **Advanced adhesive properties**
- **Good water-resistant performance.**
- **Designed for good corrosion resistance.**

Selected specification standards include:

DIN	ISO

Applications

- Texclad EPS 1 is suitable for lubrication of roller and friction bearings under high pressure and high temperatures even under dusty and wet conditions.
- Texclad EPS 1 especially suited for applications like the mining, sugar, cement, and steel industry. In a wide operating temperature range from –25°C to 150°C.
- Texclad EPS 1 guarantees smooth operation of machines and aggregates. In the application, attention must be paid that in sustained lubrication a maximum usable temperature of 150°C is not exceeded, at temperatures in excess of that, automatic relubrication must be ensured or shorter regreasing intervals subject to thermal load, in these conditions' temperatures up to 200°C can be reached.

Product maintenance and handling

Maintaining a clean work environment is critical when equipment greasing is performed. Grease fittings should be wiped clean prior to grease injection to prevent contaminants from entering the equipment. Bearing housings should be maintained one-third to one-half full of grease. Over-greasing should be avoided as excessive heat build-up can result. Periodic relubrication via grease gun or centralized system should be supplemented by complete cleaning and packing with fresh grease on an appropriate schedule.

Approvals, performance and suitable for use

Performance

	DIN 51 502	ISO 6743-09	Operating temperature
Texclad EPD 1	KP 1 P-20	ISO-L-XBDHB1	-25°C up to 150°C, with short periods up to 200°C

Typical test data

Test	Test Methods	Results
Typical Shelf Life: 36 months from date of filling indicated on the product label		
Appearance	Visual	Brown, smooth, homogenic
NLGI grade	ASTM D217 mod	1
Penetration worked, mm/10	ISO 2137	310 – 340
Thickener type		Aluminium Complex
Base oil type		Mineral
Base oil viscosity at 40°C, mm²/s (pure base oil mix)	ASTM D445	320
Dropping Point, °C	IP 396	>250
Emcor corrosion test, distilled water	DIN 51 802	0/0
Copper Corrosion, 24h/100°C	DIN 51811	1
Four ball Weld load,N	DIN 51 350	>2800
Water resistance static	DIN 51807/1	0-90

The typical test data set out above does not constitute a specification. It is indicative only and can be affected by allowable production tolerances. Chevron may modify this test data. Modified data will supersede all previous data, so please ensure you refer to the latest version of this Product Data Sheet (PDS).