



*Innovation and Experience at Work*

## RheoGel 1810

RheoGel 1810 is a premium quality lithium-based, multi-service grease developed for extended usage under high and low temperatures. This grease is compatible with many elastomers including EPDM. This grease conforms to specification TS234-108.

BASE OIL CHARACTERISTICS		TYPICAL VALUE *
Type		PAG
Temperature Service Range (°C)		-40 to 150
GREASE CHARACTERISTICS		TYPICAL VALUE *
Thickener		Lithium
Color		Tan
Appearance		Smooth
NLGI Grade		1.5
Density @ 20°C		0.994
Penetration (ASTM D217)	Unworked	286
	Worked 60X	292
Dropping Point (°C) (ASTM D2265)		258°C
Oil Separation (ASTM D6184)	24 h at 100°C	0.4%
Evaporation (CTM-1)	24 h at 100°C	1.2%
Four-Ball Wear, scar diameter (ASTM D2266)	40 kg, 75°C, 1200 rpm, 1 hr	0.67 mm
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 38°C	2.4%
Rust Protection (ASTM D1743)	48 h at 52°C	Pass
Copper Corrosion (ASTM D4048)	24 h at 100°C	1b

\*The typical values reported on this data sheet should not be used for writing specifications or creating drawings. Please consult ECL for assistance in preparing a specification for this product. Refer to our product Material Safety Data Sheet for detailed safety information.