SAPPHIRE EXTREME

High temperature, high load, molybdenum disulphide grease. Designed for the effective lubrication and protection of all types of ball, roller and plain bearings, particularly in heavily loaded, high temperature applications.

FEATURES

- Ø Temperature range –10^{0}C to 250^{0}C
- Ø Good EP performance (280kg weld load)
- Ø Excellent resistance to vibration
- Ø Very good water resistance
- Ø Provides long term lubrication at high temperatures
- Ø Ideal for heavy loaded, high temperature applications

DIRECTIONS FOR USE

- Ø Apply manually or with a suitable applicator e.g. ROCOL grease gun
- Ø Compatible with other clay thickened greases. However, for best results, the previous lubricant should be removed prior to application.

Technical and Safety Data Sheets are available from:

Fax Back Facility	**:**	+44 (0)113 232 2770
Web Site	**:**	www.rocol.com
Customer Service	**:**	+44 (0)113 232 2700

ROCOL Lubricants

ROCOL House, Swillington, Leeds LS26 8BS, England.

Tel: +44 (0)113 232 2600 Fax: +44 (0)113 232 2760

www.rocol.com

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ROCOL is a trade mark of ITW Inc.
The information in this publication is based on our experience and reports from customers.
There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

TECHNICAL DATA

SAPPHIRE EXTREME

TECHNICAL DATA (typical values)

Appearance	Smooth, blue/black grease
NLGI No. (IP 50)(ASTM D217)	NLGI No. 2
Base type	Severely refined mineral oil
Thickener	Organically modified clay
Solids	Molybdenum disulphide
Temperature range - continuous	-10^{0}C to 235^{0}C
upper limit – short periods	250^{0}C
Base fluid viscosity at 40^{0}C	200 cSt
Base fluid viscosity at 100^{0}C	20 cSt
Shell 4 ball (IP 239)(ASTM D2596)	
Weld load	280 kg
Mean hertz load	50 kg
Corrosion Test (ASTM B-117) 1000 hour salt spray at 35ºC	No corrosion
Corrosion Tests (IP112) 24 hrs at +100ºC Mild steel	No stain
Copper	No stain
Aluminium	No stain
Oil Separation (IP121) 24 hrs at +100ºC	5% max
Water Washout Test (IP 215)(ASTM D1264)	0%
Emcor rating (IP220)	0:0
Storage	Storage temperature should be controlled to between 1 and 40 °C.
Pack sizes	400g cart, 500g, 5kg, 18kg, 50kg

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