

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

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

Directions for Use

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

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Registered Company No. 559693 VAT No. 742 0531 67
Registered Office: Admiral House, St Leonard's Road, Windsor, Berkshire SL4 3BL

ROCOL A division of **ITW** Ltd



BS EN ISO 9001
Certificate No. FM 12448



BS EN ISO 14001
Certificate No. EMS 67596



OHSAS 18001
Certificate No. OHS 78173



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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

ROCOL[®]

Performance you can trust

SAPPHIRE[®] Extreme

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°C to 235°C
upper limit – short periods	250°C
Base fluid viscosity at 40°C	200 cSt
Base fluid viscosity at 100°C	20 cSt
Shell 4 ball (IP 239)(ASTM D2596)	
Weld load	280 kg
Mean hertz load	50 kg
Corrosion Test (ASTM B-117)	No corrosion
1000 hour salt spray at 35°C	
Corrosion Tests (IP112)	
24 hrs at +100°C	Mild steel No stain
Copper	No stain
Aluminium	No stain
Oil Separation (IP121)	5% max
24 hrs at +100°C	
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 – Part Codes	400g – p/c 12211
	5kg – p/c 12216
	18kg – p/c 12214
	50kg – p/c 12218

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