



TECHNICAL DATA

SAPPHIRE HI-PRESSURE

(Formerly MTS1000)

Description

ROCOL SAPPHIRE HI-PRESSURE is a clay thickened, mineral oil based bearing grease containing Molybdenum Disulphide that has been specially formulated for the lubrication of plain bearings operating under conditions of high load.

Outstanding Features

- **Extremely good load carrying capabilities - reduces wear and bearing failure**
- **Excellent corrosion protection**
- **Resistant to water washout**
- **Provides long term lubrication**

Directions for use

ROCOL SAPPHIRE HI-PRESSURE can be applied manually or by a suitable applicator (for example the ROCOL Grease Gun) capable of handling NLGI No.2 grease. ROCOL SAPPHIRE HI-PRESSURE is compatible with most other clay thickened greases, however it is recommended that bearings be purged of previous lubricants before application.

Technical Data

<i>Appearance</i>	: <i>Smooth blue-black grease</i>
<i>NLGI Classification</i>	: <i>No.2</i>
<i>Worked Penetration (IP50)</i>	: <i>265 - 295</i>
<i>Base Oil Type</i>	: <i>Mineral oil</i>
<i>Viscosity at +40°C</i>	: <i>184 cSt</i>
<i>Viscosity at +100°C</i>	: <i>15 cSt</i>
<i>Thickener</i>	: <i>Organically modified clay</i>
<i>Solid Lubricant</i>	: <i>Molybdenum Disulphide</i>
<i>Temperature Range</i>	: <i>-20°C to +150°C</i>
<i>Drop Point (IP132)</i>	: <i>Non melting</i>
<i>Shell 4 Ball (IP 239)(ASTM D2596)</i>	
<i>Weld Load</i>	: <i>355kg</i>
<i>Load-Wear index</i>	: <i>68kg</i>

continued.....

ROCOL Limited

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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 (continued)

Corrosion Tests (IP112) 24 hrs at +100°C

Mild steel : Pass

Aluminium : Pass

Oil Separation (IP121) 24 hrs at +100°C : 3%

Water Washout Test (IP215) (% loss) : 0%

dN Factor : 200,000

Storage : Store at normal ambient
temperature, 0°C to 40°C

Health and Safety

Further Technical Data and Health and Safety information (COSHH, MSDS) is available from the Customer Service Department, ROCOL Ltd., ROCOL House, Swillington, Leeds, LS26 8BS, England.

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