

SAPPHIRE SILICONE

Silicone Grease

Description:

ROCOL® Sapphire Silicone (MX 22) is a non-melting grease suitable for long term lubrication at extremes of temperature and is extremely water resistant and also resistant to a wide range of chemicals, oils and gases.

Sapphire Silicone can also be used as an electrical insulating and filling compound.

Sapphire Silicone is suitable for lubricating rubber seals and 'O' rings as it does not affect most polymeric material.

Intended Use:

- Rubber seals and 'O' rings
- Tapware for potable water
- Low speed bearings
- Slides and adjustment spindles

Product Features:

- **Extremely water resistant**
- **Excellent high temperature resistance**
- **Resistant to a variety of chemicals, oils and gases**
- **Wide temperature range -40 to +200°C, to 220°C intermittently**
- **Does not affect most rubbers and plastics**
- **MPI Approved C15 (All animal products except dairy)**
- **MPI Approved for farm dairies & dairy processing**
- **AsureQuality assessed**
- **NSF Registered H1 – 144603**
- **HACCP Australia Pty endorsed**

TEST METHODS

Typical Physical Properties:

Appearance	Clear translucent grease	
Thickener	Silica	
NGLI Classification	3	
Worked Penetration (mm x 10 ⁻¹)	190–250	ASTM D217 (IP50)
Base Fluid Type	Silicon Oil	
Base Oil Viscosity at 40°C	700	ASTM D445
Drop Point (°C)	Non Melting	ASTM D566 (IP132)
Copper Corrosion Test	1A	ASTM D-4048
Temperature Range (Continuous)	-40°C to 200°C	
Max. Temperature (Intermittently)	220°C	
Dielectric Strength (kv/mm)	30	
Volume resistivity (ohm/m)	3 x 10 ¹¹	

Directions for use:

Sapphire Silicone can be applied manually to 'O' rings or seals. It can also be applied by air operated or manual grease guns.

AUSTRALIA

ITW Polymers & Fluids
100 Hassall Street
Wetherill Park NSW 2164
Phone (02) 9757 8800
www.itwpcf.com.au

NEW ZEALAND

ITW Polymers & Fluids
Unit 2 / 38 Trugood Drive
East Tamaki 2013, Auckland
Phone (09) 272 1945
www.itwpcf.co.nz



Technical Data Sheet

10th January 2023

Storage:	Store in dry conditions between 10°C and 30°C, away from sources of heat and naked flames. Protect from frost. When stored in original sealed containers, the minimum shelf life is four years.						
Warranty:	Rocol® will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.						
Disclaimer:	All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Polymers & Fluids and Rocol® makes no representations or warranties of any kind concerning this data.						
Order Information:	<table><tr><td>120g tube</td><td>RY421515</td></tr><tr><td>500g tin</td><td>RY421510</td></tr><tr><td>2.5kg tin</td><td>RY421520</td></tr></table>	120g tube	RY421515	500g tin	RY421510	2.5kg tin	RY421520
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500g tin	RY421510						
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Health & Safety Information:	For Health & Safety information, refer to Safety Data Sheet available from ITW Polymers & Fluids upon request or available on our website www.rocol.com.au or www.rocol.co.nz						

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