

# Technical Data

**ROCOL**<sup>®</sup>

Performance you can trust

## SAPPHIRE SILICONE

### *Silicone Grease*



#### Description

**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.

#### Areas of application

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

#### 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)
- AsureQuality NZ approved for food/beverage/dairy/factories.
- NSF Registered H1 - 144603
- HACCP Australia Pty Ltd endorsed as a food grade lubricant suitable for use in facilities that operate a HACCP based food safety program (PE-626-ITW-1F2-01)

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#### **AUSTRALIA**

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#### **NEW ZEALAND**

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East Tamaki 2013 Auckland  
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## Technical data

	Test Method
Appearance .....	Clear translucent grease
Thickener.....	Silica
NGLI Classification.....	3
Worked Penetration (mm x 10 <sup>-1</sup> ) .....	190 – 250
Base Fluid Type .....	Silicon Oil
Base Oil Viscosity at 40°C .....	700
Drop Point (°C) .....	Non Melting
Copper Corrosion Test.....	1A
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 <sup>11</sup>

## 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.

## Storage and Shelf Life

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 2 years.

## Packaging

**Sapphire Silicone** is available in 120g, 500g and 2.5kg pack sizes.

## Ordering Information:

120g Tube	#RY421515
500g Grease Tin	#RY421510
2.5 kg Grease Tin	#RY421520

## Health & Safety Information

The product is non-hazardous. A Material Safety Data Sheet is available from the ITW Polymers & Fluids Technical Department upon request or available on our website [www.rocol.com.au](http://www.rocol.com.au).

## Disclaimer

The information contained in this Technical Bulletin is as up to date and correct as possible as at the time of issue. The data provided should be used as a guide only as the performance of the product will vary depending on differing operating conditions and application methods.

The sale of any product described in this Technical Bulletin will be in accordance with ITW Polymers & Fluids Conditions of Sale, a copy of which is available on request. To the extent permitted by law, ITW Polymers & Fluids excludes all other warranties in relation to this product.

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