

# Technical Data sheet

## RTV 382 Non Corrosive RTV Silicone Adhesive Sealant

### Non corrosive silicone sealant for engineering applications

**RTV 382** is a non corrosive, neutral cure RTV silicone sealant with excellent adhesive properties. Use RTV 382 to bond, seal, fix in place and insulate electronic parts. Being a neutral cure product containing no acid there is little chance of corrosion to electrical / electronic components and will offer vibration resistant bonds for coils & PCB's. RTV 382 has **NATO stock classification NSN 6850-99-519-6905** for a non corrosive silicone sealant in military applications and is flame retardant ( meets **UL 94 HB** )

#### Typical applications include:

- Weatherproofing and insulating cable connectors & high voltage equipment
- Vibration proofing and fixing place copper coils and larger components
- Electrically insulating bare wires and connections
- Meets UL 94 HB requirements for flame retardancy
- Forming environmental seals on PCB boxes and electrical equipment



#### Uncured Product

|                             |                   |
|-----------------------------|-------------------|
| Colour:                     | Translucent Clear |
| Appearance:                 | Thixotropic Paste |
| Tack Free Time:             | 30 minutes        |
| 3mm Cure Through:           | 24 hours          |
| Shelf Life unopened @ 25°C: | 6 Months          |

#### Cured Elastomer

(after 7 days cure at 23+/-2°C and 65% relative humidity)

|                                    |                |                           |
|------------------------------------|----------------|---------------------------|
| Tensile Strength:                  | BS903 Part A2  | 1.9 MPa                   |
| Elongation at Break :              | BS903 Part A2  | 300 %                     |
| Tear Strength:                     | BS903 Part A3  | 4.8 kN/m                  |
| Hardness:                          | ASTM D 2240-95 | 33° Shore A               |
| Specific Gravity:                  | BS 903 Part A1 | 1.07                      |
| Linear Shrinkage:                  | 0.8 %          |                           |
| Thermal Conductivity:              | 0.20 W/mK      |                           |
| Coefficient of Thermal Expansion:- |                |                           |
| Volumetric:                        | 888 ppm / °C   |                           |
| Linear                             | 295 ppm / °C   |                           |
| Min. Service Temperature:          | -55 °C         |                           |
| Max. Service Temperature:          | AFS 1540B      | 260 °C (315 intermittent) |
| Dielectric Strength:               | ASTM D-149     | 18 kV/mm                  |
| Dissipation Factor                 | ASTM D-150     | 1E-2                      |

**Packages** – 310 ml cartridges and 20 litre and 200 litre bulk containers **Shelf Life** – 6 month unopened in **cool dry conditions**

Whilst all reasonable care is taken in compiling technical data on the company's products, all recommendations or suggestions regarding the use of such products are made without guarantee since the conditions of use are beyond the control of the company. It is the customer's responsibility to satisfy himself that each product is fit for the purpose for which he intends to use it, and that the actual conditions of use are suitable.



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