

## Datasheet

# Two Part RTV Silicone Sealant

RS Stock number [409-5737](#)



### Description:

A 1kg kit comprising 952g resin and 48g catalyst with low adhesive properties for potting applications. Pot life controlled from 90 to 20 minutes by increasing the proportion of catalyst from 2 to 5% by weight (19 - 48g). Ensure components thoroughly mixed before potting.

An off white two component, low viscosity silicone rubber  
Excellent flowability, electrical properties and flexibility when mixed  
Cured material has a wide service temperature range  
The pot life is dependent on percentage by weight of catalyst and temperature  
Curing can be completed at room temperature within 24 hours

**Specifications:**

*Note that these specifications are with 4% catalyst*

Relative Density	1.22 g/cucm
Operating Temp. Range	-40 to +180 °C
Hardness	45 Shore A
Tensile Strength	2.0 MPa
Elongation	150 %
Thermal Exp. Coefficient	$2.7 \times 10^{-4}$
Dielectric Strength	23 kV/mm
Volume Resistivity	$10^{14} \Omega \text{cm}$
Dissipation Factor	0.084 @1MHz
Permittivity	5.2 @1MHz
Viscosity	12000 @25°C MPa
Mix Ratio ( <i>by weight</i> )	Variable: 2%min to 5%max of catalyst
Shelf Life	12 Months from Date of Manufacture (DoM)
Chemical Type	Elastomer
Colour	White
Package Size	1 kg
Physical Properties	Encapsulant, Flowable
Product Form	Paste

**Pot Life Guide:**

*(At room temperature, 23°C)*

Catalyst, % by weight:	2min	2½	3	3½	4	4½	5max
Pot life, minutes:	90	65-70	55-55	40-45	25-30	18-23	15

The 2-5% range should be adhered to as outside these limits physical properties are affected:

At 1% catalyst there will be incomplete cure.

At 6% catalyst, pot life will be around 10 minutes, but shrinkage will be around 1%.

Cured hardness will also increase and tensile strength and elasticity becomes poor.

*RTV = Room Temperature Vulcanising*