

Technical Data



AS 1701 (RTV1073)

Thermally Conductive / Flame Retardant Adhesive & Sealant

Description

AS 1701 is a non-corrosive, 1-Part, room temperature vulcanising (RTV) silicone rubber it exhibits excellent primer-less adhesive properties to many substrates. It is recommended for electronic and electrical assemblies where flame resistance and or thermal conductivity is important.

Key Features

- Flame Retardant
- Excellent thermal conductivity.
- High temperature resistance up to 260 C
- Superior electrical resistance
- Fast skinning & cure through 2mm in 24 hours

Uncured Properties

Appearance	:	Extrudable paste
Colour	:	Black
Sag or Slump	:	Non
Solids Content, % w/w	:	100
Tack Free Time, minutes	:	<15 at 65% RH and 15 to 25°C
Curing time	:	2mm per 24 hours

Cured Properties

(Based on typical values for a 3mm sheet cured at 23°C and 65% Relative Humidity for 7 days)

Tensile Strength, MPa (psi)	:	2.8 (400)
Elongation at Break, %	:	150
Hardness, Shore A	:	50 approx
Specific Gravity	:	1.31
Dielectric Strength	:	20 kV/mm
Temperature Range	:	-55 to +220°C (260°C intermittent)

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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