

RTV SILICONES

ONE PART SYSTEMS

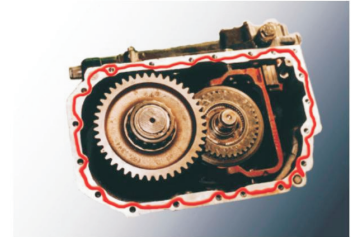
Anabond single part RTV (Room Temperature Vulcanizing) Silicone systems are ready to use, that cures as resilient silicone rubber at room temperature. These are versatile products, which finds immense use in all kinds of industries, offering exceptional properties. It can be used as a **ADHESIVE, SEALANT, & F.I.P GASKETING.**

SALIENT FEATURES :

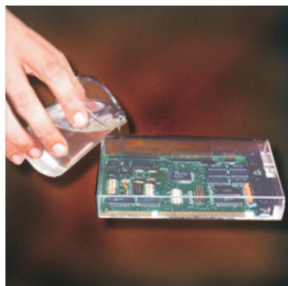
- Good thermal stability (-50°C to +250°C)
- Excellent mechanical properties.
- Good dielectric properties.
- Good weatherability & UV resistance.
- High Elasticity

APPLICATIONS :

- **Automotive Industries :** Used as a F.I.P (Form-in-place) Gasketing Sealant for engine assembly such as oil pan, Transmission covers, water pump mounting etc., and also for body building applications.
- **Aircraft Industries :** Used as gaskets, sealing, ducting, vibration dampers .
- **Construction Industries :** Used for glass glazing, window perimeter joints, wash basin / bathtub sealing, A/C duct sealing etc.



TWO PART SYSTEMS



Anabond two part RTV (Room Temperature Vulcanizing) Silicone are room temperature curing systems and are suitable for potting & encapsulation of electrical & electronic components to prevent ingress of moisture & dust. The cured adhesive exhibits high strength, negligible shrinkage, good insulation. Its temperature withstanding property is -50 °C to +250 °C

SALIENT FEATURES:

- Room temperature Curing.
- Fast setting
- Good dielectric properties.
- Negligible Shrinkage.
- Good insulation.

APPLICATION:

Used as encapsulating of electrical & electronic components to prevent ingress of moisture, dust & water.

TECHNICAL SPECIFICATION - RTV SILICONES

Grade	666	673	676	680	681	683	685	679	Two Part 901 909	
Cure System	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral
Colour	C/W/B	O	AL	C	C	G	C/R	C/W/B/MW	A-Red B-Clear	A-White B-Clear /Pale yellow
Viscosity (P) JIS K6820	Non-sag	Non-sag	Non-sag	Non-sag	90-130	900-980	Non-sag	Non-Sag	60-100	20-50
Specific gravity-JIS K 6820	1.02-1.08	1.45-1.55	1.35-1.45	1.02-1.08	1.02-1.08	1.45-1.55	1.0-1.10	0.98 - 1.05	1.6-1.8	0.99 - 1.09
Skin Forming Time-25°C, 50% RH (Mins.)	5-10	5-10	5-15	04-08	30-60	≤ 20	03-08	5 - 10	60-90	60-120
Hardening Speed - mm / day	3	3	3	3	3	3	3	3	10mm/hr	10mm/day
Tensile Strength (Kg/cm ²)										
ASTM D412*	15-25	38-42	30-40	15-22	2-6	8-12	16-26	8 - 12	10-20	4-10
Elongation (%) - ASTM D412*	≥ 350	≥ 170	≥ 160	300-450	≥ 150	300-350	≥ 300	≥ 400	> 60	≥ 70
Hardness Shore A-ASTM D2240*	22-30	55-65	55-65	20-30	5-15	35-55	20-30	15 - 25	48-62	32-42
Pressure Resistance (Kg/cm ²)	-	>110	>110	-	-	90-100	-	100	-	-
Dielectric Strength (Kv/mm)	> 22	-	-	-	> 20	-	> 20	-	≥ 16	≥ 21
ASTM D 149										
Potlife (100gms mix) (min)	-	-	-	-	-	-	-	-	> 30	>30
Mixing Ratio (A : B)	-	-	-	-	-	-	-	-	100:5	10:1
Service temperature (°C)	-50 to 250	-50 to 300	-50 to 300	-50 to 250	-50 to 250	-50 to 250	-50 to 250	-50 to 250	-60 to 250	-60 to 250
Application	SEALING CAULKING	GASKETING	GASKETING	SEALING	SEALING POTTING	GASKETING	SEALING	GLAZING SEALING	POTTING -	POTTING -
Packing	100gm Tube 300ml & 310gm Cartridge	350gm, 425gm Cartridge & 20kgs Drum	350gm, Cartridge & 20kgs Drum	100gm Tube & 310gm Cartridge	100gm Tube & 310gm Cartridge	140gm Tube & 375 gm Cartridge & 20kgs Drum	100gm Tube & 310gm Cartridge	310gm Cartridge	A : 4kg B : 100ml A : 1kg B : 50gms	A : 1kg B : 100gms

B-Black, C-Clear, G-Grey, O-Orange, R-Red, MW-Milky White, W-White, AL-Aluminum / *Tested after 7 days cure at room temperature (25°C)

Note : ALSO RTV-SILICONES CAN BE DEVELOPED AS PER CUSTOMER SPECIFICATIONS.