

## ONE-PART RTV SILICONE ADHESIVE SEALANTS HIGH PERFORMANCE & ELECTRONICS GRADE

### HIGH PERFORMANCE *Assembly*

Product	RTV5222	RTV5223	RTV5229	RTV5242	RTV5243	RTV5249
Color	White	Black	Gray	White	Black	Gray
Useful Temp. Range °C (°F)	-60 to 205 (-75 to 400)	-60 to 205 (-75 to 400)	-60 to 205 (-75 to 400)	-60 to 205 (-75 to 400)	-60 to 205 (-75 to 400)	-60 to 205 (-75 to 400)
Specific Gravity	1.4	1.4	1.4	1.5	1.5	1.5
Hardness Shore A	26	26	26	40	40	40
Tensile Strength MPa, (psi)	2.60 (370)	2.60 (370)	2.60 (370)	2.50 (320)	2.50 (320)	2.50 (320)
Elongation %	750	750	750	425	425	425
Tack Free Time (min)	3 hrs.	3 hrs.	3 hrs.	45	45	45
Dielectric Strength kV/mm (V/mil)	16.5 (420)	16.5 (420)	16.5 (420)	20 (500)	20 (500)	20 (500)
Dielectric Constant	3.9 @ 60 Hz	3.9 @ 60 Hz	3.9 @ 60 Hz	2.8 @ 60 Hz	2.8 @ 60 Hz	2.8 @ 60 Hz

Products	RTV5222, RTV5223, RTV5229	RTV5242, RTV5243, RTV5249
Features, Benefits	Alkoy neutral cure. Totally non-corrosive. Primerless adhesion, long tooling time. UL recognition.	Alkoy neutral cure. Totally non-corrosive, hydrolytically stable, primerless adhesion. UL recognition.
Key Substrate Adhesion Typical Lap Shear (psi) and/or Peel (ppi)	Steel, Glass, PVC, Acrylic, Polycarbonate Peel (60)	Steel, Aluminum, Glass, Polycarbonate Peel (40)

**HIGH PERFORMANCE Assembly (cont.)**

<b>Product</b>	<b>RTV102</b>	<b>RTV103</b>	<b>RTV108</b>	<b>RTV109</b>	<b>RTV112</b>	<b>RTV118</b>
<b>Color</b>	White	Black	Translucent	Aluminum	White	Translucent
<b>Useful Temp. Range °C (°F)</b>	-60 to 205 (-75 to 400)	-60 to 205 (-75 to 400)	-60 to 205 (-75 to 400)	-60 to 205 (-75 to 400)	-60 to 205 (-75 to 400)	-60 to 205 (-75 to 400)
<b>Specific Gravity</b>	1.05	1.05	1.05	1.05	1.05	1.05
<b>Hardness Shore A</b>	30	30	30	30	25	25
<b>Tensile Strength MPa, (psi)</b>	2.75 (400)	2.75 (400)	2.75 (400)	2.75 (400)	2.20 (325)	2.20 (325)
<b>Elongation %</b>	450	450	450	450	325	325
<b>Tack Free Time (min)</b>	20	20	20	20	20	20
<b>Dielectric Strength kV/mm (V/mil)</b>	19.7 (500)	19.7 (500)	19.7 (500)	19.7 (500)	15.7 (400)	15.7 (400)
<b>Dielectric Constant</b>	2.8 @ 60 Hz	2.8 @ 60 Hz	2.8 @ 60 Hz	2.8 @ 60 Hz	2.8 @ 60 Hz	2.8 @ 60 Hz

<b>Products</b>	<b>RTV102, RTV103, RTV108, RTV109</b>	<b>RTV112, RTV118</b>
<b>Features, Benefits</b>	Acetoxy cure. High strength. FDA compliance. Meets MIL-A-46106, MIL-S-47162, MIL-S-14112, NSF status, USDA	Acetoxy cure, FDA compliance. Meets MIL-A-46106, UL recognition, NSF status, USDA
<b>Key Substrate Adhesion Typical Lap Shear (psi) and/or Peel (ppi)</b>	Aluminum, Steel, Glass, Polyester (PBT) Lap (150)	Aluminum, Steel, Glass, PC/PBT, Polyester (PBT) Lap (120), Peel (15)