

## TWO-PART RTV SILICONE POTTING & ENCAPSULATING COMPOUNDS CONDENSATION CURE

### GENERAL PURPOSE

Products	RTV11	RTV12	RTV21	RTV41	RTV8111	RTV8112	RTV8262
<b>Color</b>	White	Clear	Pink	White	White	White	Red
<b>Mix Ratio</b>	100 : 0.5	20 : 1	100 : 0.5	100 : 0.5	100 : 2	100 : 5	100 : 5
<b>Viscosity, cps</b>	11,000	1,500	26,000	39,000	9,900	11,000	47,000
<b>Specific Gravity</b>	1.19	1.00	1.32	1.31	1.18	1.19	1.47
<b>Hardness Shore A</b>	41	18	45	47	45	42	52
<b>Tensile Strength MPa (psi)</b>	2.06 (300)	—	2.16 (310)	2.16 (310)	2.45 (350)	2.06 (300)	4.02 (580)
<b>Elongation %</b>	160	200	180	180	160	160	150
<b>Tear Resistance kg/cm (lb/in)</b>	3.5 (20)	—	7.1 (40)	5.2 (29)	4.3 (24)	4.8 (27)	7.7 (43)
<b>Linear Shrinkage %</b>	0.6	2	0.6	0.6	1.0	1.0	0.6
<b>Useful Temp. Range °C (°F)</b>	-54 to +204 (-65 to +400)	-54 to +204 (-65 to +400)	-54 to +204 (-65 to +400)	-54 to +204 (-65 to +400)	-54 to +204 (-65 to +400)	-54 to +204 (-65 to +400)	-54 to +260 (-65 to +500)
<b>Thermal Conductivity W/m°K</b>	0.29	0.17	0.31	0.31	0.29	0.29	0.31
<b>Coefficient of Thermal Expansion cm/cm °C (in/in °F)</b>	25 x 10 <sup>-5</sup> (14 x 10 <sup>-5</sup> )	29 x 10 <sup>-5</sup> (16 x 10 <sup>-5</sup> )	20 x 10 <sup>-5</sup> (11 x 10 <sup>-5</sup> )	20 x 10 <sup>-5</sup> (11 x 10 <sup>-5</sup> )	25 x 10 <sup>-5</sup> (14 x 10 <sup>-5</sup> )	25 x 10 <sup>-5</sup> (14 x 10 <sup>-5</sup> )	20 x 10 <sup>-5</sup> (11 x 10 <sup>-5</sup> )

<b>Dielectric Strength kV/mm (V/mil)</b>	20.3 (515)	15.7 (400)	16.5 (420)	20.3 (515)	19.7 (500)	18.7 (475)	18.5 (470)
<b>Dielectric Constant (1 kHz)</b>	3.3	3.0	3.8	3.7	3.3	4.02	3.9
<b>Dissipation Factor (1kHz)</b>	0.006	0.001	0.02	0.007	0.0055	0.007	0.017
<b>Volume Resistivity ohm-cm</b>	$1.1 \times 10^{15}$	$1.0 \times 10^{13}$	$2.6 \times 10^{14}$	$1.6 \times 10^{14}$	$1.0 \times 10^{15}$	$2.7 \times 10^{15}$	$4.4 \times 10^{14}$