

RTV-2 Silicone Rubber Data Sheets

1. Condensation-Cure (Tin-Catalyst) Silicone Rubber - White

Product Name	Hardness (Shore A)	Mix Ratio by Weight	Pot Life (Minute)	Cure Time (Hour)	Color		Viscosity (mPa.s)		Specific Gravit (g/cm³)		Tear Strength (N/mm)	Tensile Strength (Mpa)	Elongation at Break (%)	Linear Shrinkage (%)	Heat Resistance
					Part A	Part B	Part A	Part B	Part A	Part B					
RTV-3105	5±2	100A:3B	35-45	8-10	White	Clear to Yellow	15,000±2,000	200-300	1.08-1.10	1.00±0.02	≥8.0	≥1.5	≥540	≤0.30	200°C 392°F
RTV-3110	10±2	100A:3B	35-45	8-10	White	Clear to Yellow	15,000±2,000	200-300	1.08-1.10	1.00±0.02	≥12.0	≥2.2	≥560	≤0.30	200°C 392°F
RTV-3115	15±2	100A:3B	35-45	8-10	White	Clear to Yellow	16,000±2,000	200-300	1.10-1.12	1.00±0.02	≥16.0	≥2.4	≥520	≤0.30	200°C 392°F
RTV-3120	20±2	100A:3B	35-45	8-10	White	Clear to Yellow	21,000±2,000	200-300	1.10-1.12	1.00±0.02	≥25.0	≥2.6	≥500	≤0.30	200°C 392°F
RTV-3125	25±2	100A:3B	35-45	8-10	White	Clear to Yellow	20,000±2,000	200-300	1.12-1.15	1.00±0.02	≥25.0	≥3.0	≥480	≤0.30	200°C 392°F
RTV-3130	30±2	100A:3B	35-45	8-10	White	Clear to Yellow	19,000±2,000	200-300	1.12-1.15	1.00±0.02	≥25.0	≥3.8	≥450	≤0.30	200°C 392°F
RTV-3135	35±2	100A:3B	35-45	10-12	White	Clear to Yellow	18,000±2,000	200-300	1.15-1.18	1.00±0.02	≥23.0	≥4.1	≥350	≤0.30	200°C 392°F
RTV-3140	38±2	100A:3B	35-45	10-12	White	Clear to Yellow	18,000±2,000	200-300	1.15-1.18	1.00±0.02	≥21.0	≥4.1	≥310	≤0.30	200°C 392°F

2. Condensation-Cure (Tin-Catalyst) Silicone Rubber - Translucent

Product Name	Hardness (Shore A)	Mix Ratio by Weight	Pot Life (Minute)	Cure Time (Hour)	Color		Viscosity (mPa.s)		Specific Gravity (g/cm ³)		Tear Strength (N/mm)	Tensile Strength (Mpa)	Elongation at Break (%)	Linear Shrinkage (%)	Heat Resistance
					Part A	Part B	Part A	Part B	Part A	Part B					
RTV-3205	5±2	100A:3B	35-45	8-10	Translucent	Clear to Yellow	15,000±2,000	200-300	1.05-1.07	1.00±0.02	≥9.0	≥1.6	≥550	≤0.30	200°C 392°F
RTV-3210	10±2	100A:3B	35-45	8-10	Translucent	Clear to Yellow	15,000±2,000	200-300	1.05-1.07	1.00±0.02	≥13.0	≥2.3	≥580	≤0.30	200°C 392°F
RTV-3215	15±2	100A:3B	35-45	8-10	Translucent	Clear to Yellow	16,000±2,000	200-300	1.08-1.10	1.00±0.02	≥17.0	≥2.5	≥530	≤0.30	200°C 392°F
RTV-3220	20±2	100A:3B	35-45	8-10	Translucent	Clear to Yellow	21,000±2,000	200-300	1.08-1.10	1.00±0.02	≥26.0	≥2.8	≥520	≤0.30	200°C 392°F
RTV-3225	25±2	100A:3B	35-45	8-10	Translucent	Clear to Yellow	20,000±2,000	200-300	1.10-1.12	1.00±0.02	≥26.0	≥3.2	≥500	≤0.30	200°C 392°F
RTV-3230	30±2	100A:3B	35-45	8-10	Translucent	Clear to Yellow	19,000±2,000	200-300	1.10-1.12	1.00±0.02	≥26.0	≥4.1	≥460	≤0.30	200°C 392°F
RTV-3235	35±2	100A:3B	35-45	10-12	Translucent	Clear to Yellow	18,000±2,000	200-300	1.12-1.15	1.00±0.02	≥24.0	≥4.2	≥360	≤0.30	200°C 392°F
RTV-3240	37±2	100A:3B	35-45	10-12	Translucent	Clear to Yellow	18,000±2,000	200-300	1.12-1.15	1.00±0.02	≥22.0	≥4.2	≥330	≤0.30	200°C 392°F

3. Addition-Cure (Platinum-Catalyst) Silicone Rubber - Translucent

Product Name	Hardness (Shore A)	Mix Ratio by Weight	Pot Life (Minute)	Cure Time (Hour)	Color		Viscosity (mPa.s)		Specific Gravity (g/cm ³)	Tear Strength (N/mm)	Tensile Strength (Mpa)	Elongation at Break (%)	Linear Shrinkage (%)	Heat Resistance
					Part A	Part B	Part A	Part B						
RTV-4005	5 C	1A:1B	30-40	4-5	Translucent	Translucent	5,000±500	4,500±500	1.03-1.05	≥2.8	≥1.0	≥550	≤0.20	250°C 482°F
RTV-4100	0±1	1A:1B	30-40	4-5	Translucent	Translucent	5,000±500	4,500±500	1.03-1.05	≥3.0	≥1.2	≥550	≤0.20	250°C 482°F
RTV-4105	5±2	1A:1B	30-40	4-5	Translucent	Translucent	5,000±500	4,500±500	1.03-1.05	≥12.0	≥2.8	≥500	≤0.15	250°C 482°F
RTV-4110	10±2	1A:1B	30-40	4-5	Translucent	Translucent	5,000±500	4,500±500	1.03-1.05	≥14.0	≥3.3	≥460	≤0.15	250°C 482°F
RTV-4115	15±2	1A:1B	30-40	4-5	Translucent	Translucent	5,500±1,000	5,000±1,000	1.05-1.07	≥16.0	≥3.5	≥440	≤0.10	250°C 482°F
RTV-4120	20±2	1A:1B	30-40	5-6	Translucent	Translucent	7,000±1,000	6,000±1,000	1.05-1.07	≥17.0	≥3.8	≥420	≤0.10	250°C 482°F
RTV-4125	25±2	1A:1B	30-40	5-6	Translucent	Translucent	9,000±1,000	8,000±1,000	1.06-1.08	≥17.0	≥4.0	≥400	≤0.10	250°C 482°F
RTV-4130	30±2	1A:1B	30-40	6-7	Translucent	Translucent	13,000±1,500	12,000±1,500	1.06-1.08	≥16.0	≥4.1	≥380	≤0.10	250°C 482°F
RTV-4135	35±2	1A:1B	30-40	6-7	Translucent	Translucent	18,000±2,000	16,000±2,000	1.08-1.10	≥16.0	≥4.3	≥340	≤0.10	250°C 482°F
RTV-4140	40±2	1A:1B	30-40	7-9	Translucent	Translucent	23,000±2,000	21,000±2,000	1.08-1.10	≥15.0	≥4.5	≥320	≤0.10	250°C 482°F
RTV-4145	45±2	1A:1B	30-40	12-14	Translucent	Translucent	32,000±2,000	30,000±2,000	1.08-1.10	≥8.0	≥4.6	≥300	≤0.10	250°C 482°F
RTV-4150	50±2	1A:1B	30-40	20-24	Translucent	Translucent	35,000±2,000	32,000±2,000	1.08-1.10	≥4.0	≥5.0	≥210	≤0.10	250°C 482°F
										≥50 (Rt)				

4. Addition-Cure (Platinum-Catalyst) Silicone Rubber - Transparent

Product Name	Hardness (Shore A)	Mix Ratio by Weight	Pot Life (Minute)	Cure Time (Hour)	Color		Viscosity (mPa.s)		Specific Gravity (g/cm³)		Tear Strength (N/mm)	Tensile Strength (Mpa)	Elongation at Break (%)	Linear Shrinkage (%)	Heat Resistance
					Part A	Part B	Part A	Part B	Part A	Part B					
RTV-5210	10±2	10A:1B	40-50	5-7	Transparent	Clear	40,000±5,000	200-250	1.05-1.07	1.00±0.02	≥8.0	≥2.0	≥450	≤0.10	250°C 482°F
RTV-5220	20±2	10A:1B	40-50	6-8	Transparent	Clear	50,000±5,000	200-250	1.05-1.07	1.00±0.02	≥10.0	≥2.5	≥400	≤0.10	250°C 482°F
RTV-5230	30±2	10A:1B	40-50	8-10	Transparent	Clear	75,000±5,000	200-250	1.06-1.08	1.00±0.02	≥13.0	≥3.0	≥350	≤0.10	250°C 482°F
RTV-5240	40±2	10A:1B	40-50	8-10	Transparent	Clear	80,000±5,000	200-250	1.06-1.08	1.00±0.02	≥14.0	≥3.5	≥300	≤0.10	250°C 482°F

CONDITIONS: The RTV-2 silicone rubber material data sheet was obtained by testing at a temperature of 23-25°C (73-77°F) and a humidity of 40%-60%.

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