



RTV-2 Silicone Rubber Material

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

Product Name	Hardness (Shore A)	Mix Ratio by Weight	Pot Life (Minute)	Cure Time (Hour)	Part A	Part B	Part A	Part B	Part A	Part B	Tear Strength (N/mm)	Tensile Strength (Mpa)	Elongation at Break (%)	Linear Shrinkage (%)	Heat Resistance
					Mixed Color (A+B)		Mixed Viscosity (A+B) mPa.s		Specific Gravity (g/cm ³)						
RTV-3105	5±2	100A:3B	35-45	8-10	White	Clear to Yellow	13,000±2,000	200-300	1.08-1.10	0.98±0.02	≥8.0	≥1.2	≥550	≤0.40	200°C 392°F
					White		10,000±2,000								
RTV-3110	10±2	100A:3B	35-45	8-10	White	Clear to Yellow	15,000±2,000	200-300	1.08-1.10	0.98±0.02	≥12.0	≥1.8	≥500	≤0.40	200°C 392°F
					White		12,000±2,000								
RTV-3115	15±2	100A:3B	35-45	8-10	White	Clear to Yellow	18,000±2,000	200-300	1.10-1.12	0.98±0.02	≥15.0	≥2.0	≥450	≤0.35	200°C 392°F
					White		15,000±2,000								
RTV-3120	20±2	100A:3B	35-45	10-12	White	Clear to Yellow	21,000±2,000	200-300	1.10-1.12	0.98±0.02	≥23.0	≥2.8	≥430	≤0.30	200°C 392°F
					White		18,000±2,000								
RTV-3125	25±2	100A:3B	35-45	10-12	White	Clear to Yellow	23,000±2,000	200-300	1.12-1.15	0.98±0.02	≥24.0	≥3.0	≥400	≤0.30	200°C 392°F
					White		20,000±2000								
RTV-3130	30±2	100A:3B	35-45	10-12	White	Clear to Yellow	24,000±2,000	200-300	1.12-1.15	0.98±0.02	≥23.0	≥3.8	≥380	≤0.30	200°C 392°F
					White		21,000±2,000								
RTV-3140	38±2	100A:3B	35-45	10-12	White	Clear to Yellow	25,000±2,000	200-300	1.15-1.18	0.98±0.02	≥19.0	≥3.7	≥300	≤0.30	200°C 392°F
					White		22,000±2000								

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

Product Name	Hardness (Shore A)	Mix Ratio by Weight	Pot Life (Minute)	Cure Time (Hour)	Part A	Part B	Part A	Part B	Part A	Part B	Tear Strength (N/mm)	Tensile Strength (Mpa)	Elongation at Break (%)	Linear Shrinkage (%)	Heat Resistance
					Mixed Color (A+B)		Mixed Viscosity (A+B) mPa.s		Specific Gravity (g/cm ³)						
RTV-3205	5±2	100A:3B	35-45	8-10	Translucent	Clear to Yellow	13,000±2,000	200-300	1.05-1.07	0.98±0.02	≥9.0	≥1.4	≥555	≤0.40	200°C 392°F
					Translucent		10,000±2,000								
RTV-3210	10±2	100A:3B	35-45	8-10	Translucent	Clear to Yellow	15,000±2,000	200-300	1.05-1.07	0.98±0.02	≥13.0	≥2.0	≥520	≤0.40	200°C 392°F
					Translucent		12,000±2,000								
RTV-3215	15±2	100A:3B	35-45	8-10	Translucent	Clear to Yellow	18,000±2,000	200-300	1.08-1.10	0.98±0.02	≥16.0	≥2.2	≥470	≤0.35	200°C 392°F
					Translucent		15,000±2,000								
RTV-3220	20±2	100A:3B	35-45	10-12	Translucent	Clear to Yellow	21,000±2,000	200-300	1.08-1.10	0.98±0.02	≥24.0	≥3.0	≥450	≤0.35	200°C 392°F
					Translucent		18,000±2,000								
RTV-3225	25±2	100A:3B	35-45	10-12	Translucent	Clear to Yellow	23,000±2,000	200-300	1.10-1.12	0.98±0.02	≥25.0	≥3.2	≥420	≤0.30	200°C 392°F
					Translucent		20,000±2000								
RTV-3230	30±2	100A:3B	35-45	10-12	Translucent	Clear to Yellow	24,000±2,000	200-300	1.10-1.12	0.98±0.02	≥24.0	≥4.0	≥400	≤0.30	200°C 392°F
					Translucent		21,000±2,000								
RTV-3240	37±2	100A:3B	35-45	10-12	Translucent	Clear to Yellow	25,000±2,000	200-300	1.12-1.15	0.98±0.02	≥20.0	≥3.9	≥330	≤0.30	200°C 392°F
					Translucent		22,000±2000								

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

Product Name	Hardness (Shore A)	Mix Ratio	Pot Life (Minute)	Curing Time (Hour)	Part A	Part B	Part A	Part B	Specific Gravity (g/cm ³)	Tear Strength (N/mm)	Tensile Strength (Mpa)	Elongation at Break (%)	Linear Shrinkage (%)	Heat Resistance
					Mixed Color (A+B)		Mixed Viscosity (A+B) mPa.s							
RTV-4100	0±2	1A:1B	35-45	3-5	Translucent	Translucent	5,000±500	4,500±500	1.03-1.05	≥3.0	≥1.8	≥550	≤0.20	250°C 482°F
					Translucent		5,000±500							
RTV-4105	5±2	1A:1B	35-45	3-5	Translucent	Translucent	5,500±500	5,000±500	1.03-1.05	≥12.0	≥2.5	≥550	≤0.15	250°C 482°F
					Translucent		5,500±500							
RTV-4110	10±2	1A:1B	35-45	3-5	Translucent	Translucent	6,000±500	5,500±500	1.03-1.05	≥13.0	≥3.0	≥500	≤0.15	250°C 482°F
					Translucent		6,000±500							
RTV-4115	15±2	1A:1B	35-45	4-6	Translucent	Translucent	7,000±1,000	6,000±1,000	1.05-1.07	≥15.0	≥3.4	≥450	≤0.10	250°C 482°F
					Translucent		6,500±1,000							
RTV-4120	20±2	1A:1B	35-45	4-6	Translucent	Translucent	8,000±1,000	7,000±1,000	1.05-1.07	≥17.0	≥3.8	≥430	≤0.10	250°C 482°F
					Translucent		7,500±1,000							
RTV-4130	30±2	1A:1B	35-45	5-7	Translucent	Translucent	11,000±1,500	10,000±1,500	1.06-1.08	≥18.0	≥4.2	≥380	≤0.10	250°C 482°F
					Translucent		10,500±1,500							
RTV-4140	40±2	1A:1B	35-45	6-8	Translucent	Translucent	22,000±2,000	20,000±2,000	1.08-1.10	≥17.0	≥4.6	≥330	≤0.10	250°C 482°F
					Translucent		21,000±2,000							
RTV-4150	50±2	1A:1B	35-45	8-10	Translucent	Translucent	35,000±3,000	32,000±3,000	1.08-1.10	≥6.0 (B)	≥5.0	≥250	≤0.10	250°C 482°F
					Translucent		33,000±3,000			≥45.0 (T)				

3. Platinum-Cured Clear Silicone Rubber

Product Name	Hardness (Shore A)	Mix Ratio by Weight	Pot Life (Minute)	Curing Time (Hour)	Part A	Part B	Part A	Part B	Part A	Part B	Tear Strength (N/mm)	Tensile Strength (Mpa)	Elongation at Break (%)	Linear Shrinkage (%)	Heat Resistance
					Mixed Color (A+B)		Mixed Viscosity (A+B) mPa.s		Specific Gravity (g/cm ³)						
RTV-5210	10±2	10A:1B	55-65	12-14	Translucent	Clear	40,000±5,000	200-250	1.05-1.07	0.96±0.02	≥8.0	≥2.0	≥450	≤0.15	250°C 482°F
					Transparent		30,000±3,000								
RTV-5220	20±2	10A:1B	55-65	14-16	Translucent	Clear	50,000±5,000	200-250	1.05-1.07	0.96±0.02	≥10.0	≥2.5	≥400	≤0.10	250°C 482°F
					Transparent		40,000±5,000								
RTV-5230	30±2	10A:1B	55-65	16-18	Translucent	Clear	80,000±5,000	200-250	1.06-1.08	0.96±0.02	≥13.0	≥3.0	≥350	≤0.10	250°C 482°F
					Transparent		70,000 ±5,000								
RTV-5240	40±2	10A:1B	55-65	18-20	Translucent	Clear	90,000±5,000	200-250	1.06-1.08	0.96±0.02	≥14.0	≥3.5	≥300	≤0.10	250°C 482°F
					Transparent		80,000±5,000								

4. Life Casting Silicone Rubber

Product Name	Hardness (Shore A)	Mix Ratio	Pot Life (Minute)	Curing Time (Hour)	Part A	Part B	Part A	Part B	Part A	Part B	Tear Strength (N/mm)	Tensile Strength (Mpa)	Elongation at Break (%)	Linear Shrinkage (%)	Heat Resistance
					Mixed Color (A+B)		Mixed Viscosity (A+B) mPa.s		Specific Gravity (g/cm ³)						
RTV-6030	00-30	1A:1B	35-45	3-5	Translucent	Translucent	5,000±500	4,500±500	1.03-1.05		≥2.5	≥1.4	≥550	≤0.20	250°C 482°F
					Translucent		5,000±500								
RTV-6100	0±2	1A:1B	35-45	3-5	Translucent	Translucent	5,000±500	4,500±500	1.03-1.05		≥3.0	≥1.8	≥550	≤0.20	250°C 482°F
					Translucent		5,000±500								
RTV-6105	5±2	1A:1B	35-45	3-5	Translucent	Translucent	5,500±500	5,000±500	1.03-1.05		≥12.0	≥2.5	≥550	≤0.15	250°C 482°F
					Translucent		5,500±500								

RTV-6110	10±2	1A:1B	35-45	3-5	Translucent	Translucent	6,000±500	5,500±500	1.03-1.05	≥13.0	≥3.0	≥500	≤0.15	250°C 482°F
					Translucent		6,000±500							
RTV-6115	15±2	1A:1B	35-45	4-6	Translucent	Translucent	7,000±1,000	6,000±1,000	1.05-1.07	≥15.0	≥3.4	≥450	≤0.10	250°C 482°F
					Translucent		6,500±1,000							
RTV-6120	20±2	1A:1B	35-45	4-6	Translucent	Translucent	8,000±1,000	7,000±1,000	1.05-1.07	≥17.0	≥3.8	≥430	≤0.10	250°C 482°F
					Translucent		7,500±1,000							

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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