



Two-component RTV rubbers

(for electric and electronic applications)

A two-component RTV silicone rubber compounds cures by adding a specified amount of a curing agent to the base compound. Like one-component RTV rubbers, two-component RTV rubbers have outstanding electrical properties and resistance to heat and cold, while also offering improved deep-section curability and storage stability.

•Properties identical to those of one-component RTV rubbers

Electrical properties, heat and cold resistance, shock resistance, weather resistance, curing characteristics, etc.

•Deep-section curability

The curing reaction proceeds uniformly at the surface and internally, regardless of rubber thickness.

•Adjustability of cure speed

Cure time can be adjusted by changing the type or quantity of curing agent, or by heating

•Storability

The base compound and curing agent are stored separately, so the product will not become unusable due to curing during storage. Two-component RTV rubbers can be stored for long periods.

Applications	Intended use	Grade	Curing method (byproduct gas)	Before curing					After curing						Features
				Appearance	Viscosity Pa·s	Workable time 23°C/h	Standard Cure time h/°C	Curing agent	Blend ratio	Density 23°C g/cm ³	Hardness Durometer A	Tensile strength MPa	Elongation at break %	Shear strength MPa	
General Electrical applications	Sealing	KE-1800T (A/B)	Addition	Translucent paste	A:350/B:200	6.0	1/120	—	100/100	1.08	26	5.5	600	1.5 (PBT)	Translucent adhesive, high strength
	Sealing, coating, potting	KE-66	Condensation (alcohol)	Greyish white liquid	5	1.5	72/23	CAT-RC	100/2	1.25	40	1.5	140	0.6 (copper) 0.6 (Bakelite)	Self-adhesive
		KE-1031 (A/B)	Addition	Colorless transparent liquid	A:1/B:0.7	4.0	2/80	—	100/100	0.97	20	0.4	150	0.1 (aluminum)	Transparent, adhesive
	Sealing, potting	KE-200	Condensation (acetone)	Pale yellow translucent liquid	2.8	0.5	72/23	CX200	100/10	1.01	25	0.4	100	0.5 (copper) 0.5 (Bakelite)	Reduced low-molecularweight siloxane, fast cure
		KE-118	Condensation (alcohol)	Greyish white liquid	2	0.3	72/23	CAT-118 Blue	100/5	1.14	45	1.5	90	—	Self-adhesive
	Coating	KE-103	Addition	Colorless transparent liquid	1	3.0	72/23	CAT-103	100/5	0.97	24	0.2	100	—	Transparent, room-temperature curing
		KE-108	Condensation (alcohol)	Colorless transparent liquid	0.7	6.0	72/23	CAT-108	100/5	0.98	31	—	—	—	Transparent, room-temperature curing
		KE-119	Condensation (alcohol)	Reddish brown liquid	17	2.0	72/23	CAT-RP	100/10	1.47	68	5.0	100	—	High hardness
	Coating, Potting	KE-109 (A/B)	Addition	Colorless transparent liquid	A:1/B:1	8.0	1/100	—	100/100	1.02	25	1.5	150	0.2 (aluminum)	Transparent, adhesive
		KE-1051 J (A/B)	Addition	Colorless transparent liquid	A:900/B:700 ¹	2.0	24/23	—	100/100	0.97	65 ²	—	—	—	Transparent gel
KE-1052 (A/B)		Addition	Colorless transparent liquid	A:1000/B:800 ¹	4.0	24/23	—	100/100	0.97	65 ²	—	—	—	Transparent gel	
KE-106		Addition	Colorless transparent liquid	3.5	2.0	0.5/150	CAT-RG	100/10	1.02	56	8.0	100	—	Transparent, high strength	
Flame resistance	Sealing	KE-1800 (A/B/C)	Addition (3 component)	White paste	A:350/B:14	4.0	1/120	KE1800B (C)	100/10/2	1.10	28	5.0	600	1.7 (glass) 1.7 (polycarbonate)	UL certified product, adhesive, high strength
		KE-1801 (A/B/C)	Addition (3 component)	White paste	A:350/B:14	4.0	1/120	KE1800B (C)	100/10/2	1.10	28	5.0	600	1.7 (glass) 1.7 (polycarbonate)	Adhesive, high strength
		KE-1802 (A/B/C)	Addition (3 component)	Black paste	A:300/B:14	6.0	1/120	KE1800B (C)	100/10/2	1.10	30	5.0	600	1.7 (glass) 1.7 (polycarbonate)	UL certified product, adhesive, high strength
	Sealing, potting	KE-1281 (A/B)	Addition	A:black liquid B:greyish white liquid	A:2/B:1	7.0	1/100	—	100/100	1.37	20	1.0	140	0.3 (aluminum)	Adhesive, low hardness, UL certified product
	Potting	KE-1204 (A/B)	Addition	A:reddish brown liquid B:greyish white liquid	A:6/B:4	8.0	0.25/100	—	100/100	1.54	70	3.5	70	—	UL certified product, reduced low-molecularweight siloxane
		KE-1204 (AL/BL)	Addition	A:reddish brown liquid B:greyish white liquid	A:4/B:2	8.0	0.25/100	—	100/100	1.52	65	3.0	80	—	UL certified product, reduced low-molecularweight siloxane
Foaming	Coating	KE-513 (A/B)	Condensation (hydrogen)	A:white liquid B:black liquid	A:4/B:6	0.20	24/23	—	100/10	0.5	10	0.2	110	—	Triple-volume foaming
		KE-521 (A/B)	Addition (hydrogen)	A:black liquid B:white liquid	A:8/B:3	0.15	24/23	—	100/100	0.5	14	0.2	120	—	Triple-volume foaming
Thermal conduction	Heat-dissipating sealing	KE-1223	Addition	white liquid	9	6.0	1/100	CLA-3	100/2	2.24	76	2.0	60	—	Low viscosity, heat dissipating
	Heat-dissipating potting	KE-1861 (A/B)	Addition	Greyish white liquid	A:50/B:50	5.0	1/120	—	100/100	2.22	75	6.4	80	1.0 (aluminum)	Adhesive, heat-dissipating

Notes 1:mP·s ? Needle penetration