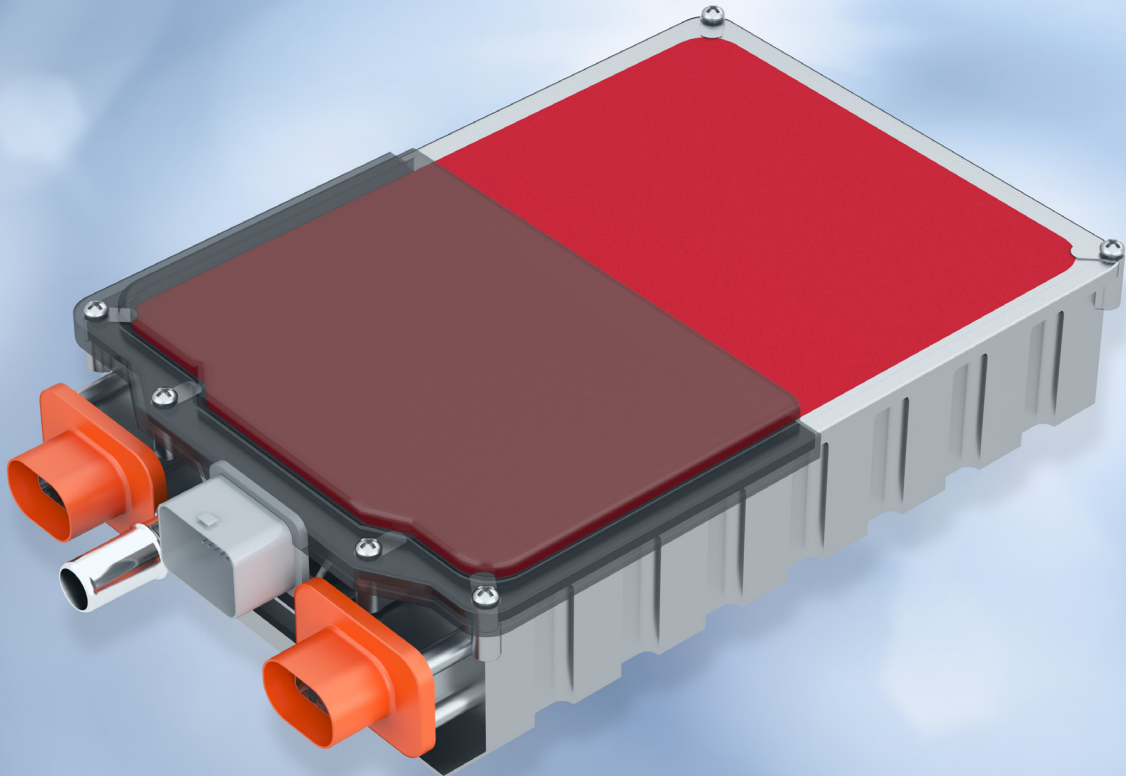




RAMPF Silicone Electro Casting Resins

RAKU® SIL two-component casting systems have very good temperature resistance and constant properties over the entire application temperature range.



Benefits

- Good aging resistance
- High thermal conductivity
- Good resistance to cracking
- Very good chemical resistance
- High UV and weather resistance



Typical applications

- Circuit boards
- Sensors
- Power electronics
- Chargers
- Control devices
- Batteries, and many more.

		RAKU® SIL 27-1000	RAKU® SIL 27-1106
Color		Grey	Black
Viscosity A-component at 20°C	mPa·s	1,300	1,200
Viscosity B-component at 20°C	mPa·s	1,300	1,600
Mixing ratio A : B	pdw	100 : 100	100 : 100
Mix viscosity at 20°C	mPa·s	1,300	1,400
Gel time	min	140 min @ 20°C	90 min @ 20°C
Density	g/mL	0.99	1.90
Shore hardness after 4h at 120°C		VLRH Ø19.6mm: 50	A 43
Application temperature range	°C	-40 to +200	-40 to +200
Characteristics		SVHC content < 0.1 %	SVHC content < 0.1 %
Thermal conductivity	W/m·K	0.2 Typ 3 ~1 Mpa contact pressure	0.6

		RAKU® SIL 27-1110	RAKU® SIL 27-1117	RAKU® SIL 27-1121
Color		White	White	White
Viscosity A-component at 20°C	mPa·s	2,200	5,500	7,200
Viscosity B-component at 20°C	mPa·s	1,900	3,200	6,300
Mixing ratio A : B	pdw	100 : 100	100 : 100	100 : 100
Mix viscosity at 20°C	mPa·s	2,500	4,400	7,000
Gel time	min	12 min @ 20°C	10 min @ 20°C	10 min @ 20°C
Density	g/mL	2.30	2.50	2.70
Shore hardness after 4h at 120°C		A 33	00 58	00 73
Application temperature range	°C	-40 to +200	-40 to +200	-40 to +200
Characteristics		SVHC content < 0.1 %	SVHC content < 0.1 %	SVHC content < 0.1 %
Thermal conductivity	W/m·K	1.0	1.7	2.1
Typ 2 20 % compression				