

Efficient Thermal Management!

Maximizing performance and service life of electronic/electrical devices – Electro casting resins from RAMPF.



+ Benefits

- 2-component silicone casting resin and silicone gap filler as well as silicone-free gap filler (RAKU® SP)
- Very high thermal conductivity
- High thermal endurance
- Curing at room temperature or accelerated at higher temperatures
- **For gap-filler:**
 - Thixotropic behaviour for optimal processability
 - Remains soft and flexible after curing
- **For potting:**
 - Low mixing viscosity for easy processing
 - Low physical stress for encapsulated electronic components

Characteristics	Unit	Gap Filler			Potting		
		RAKU® SIL 27-1218	RAKU® SIL 27-1224	RAKU® SP 26-1212	RAKU® SIL 27-1106	RAKU® SIL 27-1110	RAKU® SIL 27-1117
Color		Blue	Blue	Green	Red	Red	Red
Viscosity A-Component at 20 °C	mPa·s	300,000	320,000	57,000	2,000	4,000	14,200
Viscosity B-Component at 20 °C	mPa·s	300,000	300,000	24,500	1,600	2,700	6,000
Mixing ratio A : B	Parts by weight	100 : 100	100 : 100	100 : 100	100 : 100	100 : 100	100 : 100
Mix viscosity bei 20 °C	mPa·s	300,000	310,000	96,000	1,800	3,200	10,300
Pot life	min	35 at 20 °C	35 at 20 °C	25 at 20 °C	2 at 80 °C	17 at 80 °C	18 at 80 °C
Density	g/mL	2.80	2.92	2.40	1.82	2.04	2.66
Hardness		Shore 00: 40	Shore 00: 58	Shore A: 43	Shore A: 37	Shore A: 44	Shore A: 64
Operating temperature	°C	-40 to +200	-40 to +200	-40 to +125	-40 to +180	-40 to +200	-40 to +200
Characteristics		SVHC content < 0,1%	SVHC content < 0,1%	silicone free	SVHC content < 0,1%	SVHC content < 0,1%	SVHC content < 0,1%
Thermal conductivity	W/m·K	1.8	2.4	1.2	0.6	1.0	1.7

All products are compliant with RoHS. Our recommendations on the use of the material are based on many years of experience and current scientific and practical knowledge. They are, however, provided without any obligation on our part and do not relieve the buyer of the need for suitability tests. They do not constitute a legal relationship, nor are any protected third party rights whatsoever affected thereby. The technical data overview is not a specification but contains indicative values. No liability accepted for misprints.

RAMPF Polymer Solutions GmbH & Co. KG

Robert-Bosch-Straße 8-10 | 72661 Grafenberg | Germany

T +49.7123.9342-0

E polymer.solutions@rampf-group.com

www.rampf-group.com