RAMPF
discover the future

RAMPF Epoxy Casting Resins

RAKU® POX one- and two-component casting systems are the ideal choice for protecting highly stressed components with their high mechanical strength and good adhesion to metals.

Benefits

- Very good chemical resistance
- Very good impregnation
- High abrasion resistance

Typical applications

- Capacitors
- Motors
- Transformers
- Circuit boards
- Control devices, and many more

		RAKU® POX	RAKU® POX	RAKU® POX	RAKU® POX	RAKU® POX	RAKU® POX
	A-Comp	22-1012	22-1010	22-1013	22-1014	22-1016-1	22-1020
	B-Comp	22-113	22-110	22-113	22-113	22-220	22-120
Color		Black	Beige, Black	Black	Black	Black	Black
Viscosity A-component	mPa·s	9,400 @ 25°C	12,000 @ 25°C	46,500 @ 25°C	140,000 @ 20°C	17,700 @ 25°C	57,000 @ 25°C
Mixing ratio A : B	pdw	100 : 13.5	100 : 13	100 : 9	100 : 8	100 : 26.5	100 : 10
Mix viscosity	mPa·s	1,300 @ 25°C	1,600 @ 25°C 350 @ 60°C	3,000 @ 25°C 600 @ 60°C	8,100 @ 25°C 1,200 @ 60°C	1,200 @ 25°C	8,100 @ 25°C 1,200 @ 60°C
Density	g/mL	1.59	1.61	1.74	1.8	1.71	1.65
Pot life at / gel time	min	45 @ 60°C	40 @ 60°C	46 @ 60°C	47 @ 60°C	10 @ 110°C	49 @ 60°C
Shore hardness	D	86	87	89	89	87	88
Glass transition temperature	°C	+46	+45	+43	+42	+110	+60
Application temperature range	°C	-40 to +155	-40 to +155	-40 to +155	-40 to +155	-40 to +155	-40 to +155
Thermal conductivity	W/m·K	0.8	1	1.3	1.7	0.7	1.1
Dielectric strength	kV/mm	35	36	> 25	> 25	31	> 25
Flame rating	UL 94	V0 / 6.4 mm	V0 / 3 mm	V0 internal	V0 internal	V0 / 6 mm	V0 internal
Thermal class	-	F	F	F	F	F	F

		RAKU® POX	RAKU® POX	RAKU® POX	RAKU® POX	RAKU® POX	RAKU® POX
	A-Comp	22-1035	22-1125	22-1620	22-1650	23-1150	23-1151
	B-Comp	22-135	22-220				
Color		Black	Black	Brown	Brown	Black	Black
Viscosity A-component	mPa·s	95,000 @ 25°C	180,000 @ 25°C	76,000 @ 25°C	147,000 @ 25°C	150,000 @ 25°C 17,000 @ 60°C 5,400 @ 90°C	62,000 @ 25°C 10,000 @ 60°C 3,700 @ 90°C
Mixing ratio A : B	pdw	100 : 9	100 : 29	100 : 92	100 : 111	1C System	1C System
Mix viscosity	mPa·s	20,000 @ 25°C 1,100 @ 60°C	5,700 @ 25°C 420 @ 60°C	14,800 @ 25°C 1,700 @ 60°C	17,600 @ 25°C 2,600 @ 60°C	-	-
Density	g/mL	1.63	1.62	1.79	2.61	1.85	1.85
Pot life at / gel time	min	23 @ 60°C	11 @ 110°C	29 @ 110°C	11 @ 110°C	16 @ 110°C	14 @ 110°C
Shore hardness	D	90	90	90	90	90	90
Glass transition temperature	°C	+120	+130	+106	+140	+156	+150
Application temperature range	°C	-40 to +155	-40 to +155	-40 to +180	-40 to +180	-40 to +180	-40 to +180
Thermal conductivity	W/m·K	1	0.6	0.72	1.6	1.1	1.15
Dielectric strength	kV/mm	35	35	> 20	23	> 20	> 20
Flame rating	UL 94	V0 / 4 mm	-	-	V0 / 6 mm	-	-
Thermal class	-	F	F	H	H	H	H

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