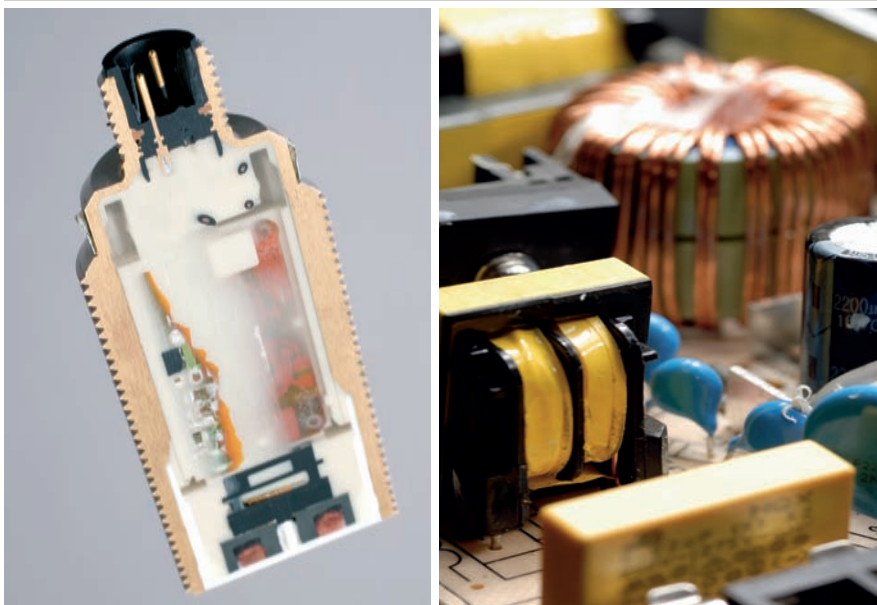


RAKU-POX® Electro Casting Resins

Innovative epoxy resins for your special requirements.



Application:

RAKU-POX Electro Casting Resins are used for insulation of many electronic components.

RAKU-POX helps to avoid electrical breakdown, deflects heat dissipation and absorbs mechanical energy.

Advantages:

- » Very high heat deflection temperature
- » Excellent insulation properties
- » Very low water absorption
- » High resistance to mechanical impacts

Solutions:

RAKU-POX 21-G80/1-5

- » Transformers
- » Sensors

RAKU-POX 22-2142-1

- » Thermo switches
- » Sensors

RAKU-POX 22-G101/1-1

- » Ignition coils
- » Sensors

RAKU-POX 22-G100/3-7

- » Transformers
- » Proximity switches



RAMPF
discover the future

RAKU-POX® Electro Casting Resins

Physical and electrical properties

	Test norm	Unit	RAKU-POX® 21-G80/1-5	RAKU-POX® 22-2142-1	RAKU-POX® 22-G101/1-1	RAKU-POX® 22-G100/3-7
Mixing ratio		pbw	100/100	100/17	100/30	100/11
Mixing viscosity at 20°C	ISO 2884-1	mPa*s	950	6400**	1500*	4500*
Gel time at 20°C		Min.	10***	90	300**	40
Density	DIN 53479	g/ml	1.17	1.3	1.52	1.57
Hardness	DIN 53505	Shore D	87	83	88	70
Glass transition temperature (DSC)		°C	128	140	85	40
Operating temperature		°C	-40 to +150	-40 to +140	-40 to +140	-40 to +130
Dielectric strength	IEC 243	KV/mm	26	20	24	22
Dielectric dissipation factor (50 Hz)	DIN 53483		0.01	0.06	0.01	0.05
Dielectric constant (50 Hz)	DIN 53483		3.6	5.1	3.6	5.2
Thermal conductivity	ISO 8894-1	W/(m*K)	0.2	0.3	0.5	0.8
Special properties			Hot curing	Cold curing	Hot curing	Cold curing UL94 V0 6 mm

* at 25 °C / ** at 80 °C / *** at 120 °C

Errors excepted. Subject to change Version 2008/09

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