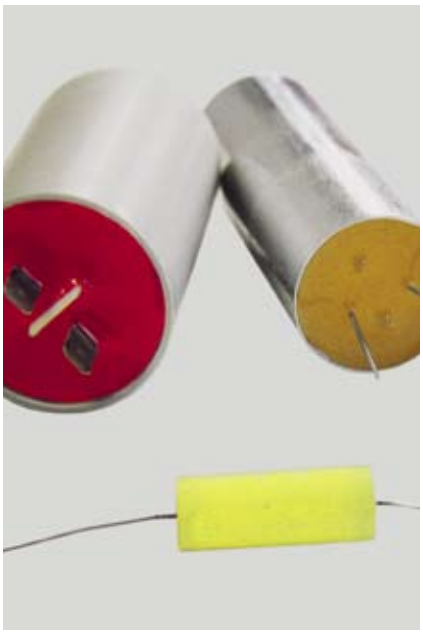
GB

RAKU-PUR® Electro Casting Resins

www.rampf-gruppe.de

Solutions for capacitors encapsulating



Advantages:

» Casting of metal papers and plastic film capacitors also according to IEC 60335-1

» Perfect protection of the winding against humidity

» Stability of the dielectric constant during temperature cycle test

» Optimal flowability

» Optimal adhesion to different materials

Solutions:

RAKU-PUR 21-2101

» Soft
» Also adaptable as gel

RAKU-PUR 21-2126 (21-2136)

» Very soft
» Flame protection according to UL 94 V0

RAKU-PUR 21-H 64/16-4

» Half hard
» Flame protection according to UL 94 V0
» Non-shrinking and non-twisting

RAKU-PUR 21-2205

» Very hard
» Very high thermal resistance
» Flame protection according to UL 94 V0
» Very good dielectric properties

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RAKU-PUR® Electro Casting Resins

Physical and mechanical properties.

	Test Norm	Unit	RAKU-PUR® 21-2126	RAKU-PUR® 21-H 64/16-4	RAKU-PUR® 21-2205	RAKU-PUR® 21-2101
Mixing viscosity	ISO 2884-1	mPa*s	6,500 – 7,000	1,300 – 1,500	750 – 800	1,000 – 1,300
Potlife		Min	20 – 30	25	30 – 40	50 – 60
Hardness	DIN 53505	Shore	A 70 – 75	D 78 – 83	D 85 – 90	A 82
Density	DIN 53479	g/ml	1.58	1.55	1.54	1.1
Flexural strength	ISO 178	MPa	n.a.	19 – 23	90 – 95	n.a.
Tensile strength	ISO 527-1	MPa	n.a.	10 – 15	45 – 50	n.a.
Impact strength	ISO 179	mJ/mm²	n.a.	13 – 18	15 – 20	n.a.
Compression strength	ISO 604	MPa	n.a.	n.a.	115 – 120	n.a.
Dielectric loss factor @ 50 Hz	DIN 53483		0.067	0.055	0.01	n.a.
Dielelectric constant @ 50 Hz	DIN 53483		n.a.	5.6	3.7	n.a.
Dielectric strength	IEC 243	KV/mm	n.a.	27 – 30	25 – 30	n.a.
Thermal conductivity	ISO 8894-1	W/(m*K)	n.a.	n.a.	Approx. 0.65	Approx. 0.2
HDT	DIN 53485	°C	n.a.	Approx. 30	100 – 105	n.a.
Long-term temperature resistance	DIN EN 60216	°C	105	120	140	105
Glow-wire-test	IEC 60695-2-12	°C	960 (2 mm)	960 (2 mm)	800 (2 mm)	800 (2 mm)
Special properties			Flame protection according to UL 94 V0			At MV 100:5 like gel

Errors excepted. Subject to change, Version 2007/11

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