

RAKU-PUR® Foam Gaskets

Solutions for the electronic industry



Application:

- » 2K-PUR FIPFG-foam gaskets for control cabinets (indoor and outdoor)
- » Safe sealing and protection of electrical components against water, humidity and dust
- » Good adhesion to coated surfaces
- » UL 50/508

Solution:

RAKU-PUR 32-3250

- » Very good softness
- » Very low water absorption
- » UL 50

RAKU-PUR 32-3250-8

- » High sealing properties IP 67
- » Good adhesion to powder-coated metal

RAKU-PUR 32-3250-11

- » High mechanical strength
- » Good compression recovery

RAKU-PUR 32-3265-4

- » Low density
- » Very low water absorption
- » Very good tightness



RAKU-PUR® Foam Gaskets

Physical and mechanical properties.

	Test norm	Unit	RAKU-PUR 32-3250	RAKU-PUR 32-3250-8	RAKU-PUR 32-3250-11	RAKU-PUR 32-3265-4
Mixing ratio A : B		pbw.	4.5 : 1	6 : 1	5.5 : 1	100 : 18
Weight of the foam*	RPV DS-202	g/ml	320 – 360	390	315	310
Viscosity, $\gamma=2,5 \text{ s}^{-1}$	ISO 2884-1	mPa*s	70,000 – 100,000	80,000 – 110,000	50,000 – 80,000	50,000 – 70,000
Cream time		Sec.	20 – 30	40 – 50	35 – 45	30 – 40
Tack-free time		Min.	2 – 4	7 - 10	6 - 10	5 - 9
Hardness*	DIN 53505	Shore 00	45 - 50	45	40	32
Compression load deflection (distortion at 40%)	EN ISO 604	MPa	0.035 – 0.045	0.05	0.02	0.09
Tensile strength	ISO 1798	MPa	570 – 580	0,28	0.30	0.17
Elongation at break	ISO 1798	%	130 – 150	124	160	345
Compression set 24h (50%/70°C)	EN ISO 1856	%	10 – 12	0	18	16
Water absorption, weight increase in uncompressed condition	24h storing in 10 m deep water	%	6 – 8	9	9	6
Temperature resistance in loaded condition		°C	-40 bis +90	-40 bis +90	-40 bis +90	-40 bis +80
Special Properties			<ul style="list-style-type: none"> » Low water absorption » Good softness » UL50 	<ul style="list-style-type: none"> » High sealing properties IP 67 » Good adhesion to powder-coated metal » High mechanical strength 	<ul style="list-style-type: none"> » High sealing properties IP 67 » High mechanical strength » Good compression recovery » Good adhesion to powder-coated metal 	<ul style="list-style-type: none"> » Low density » Very low water absorption » Very good tightness

* Measuring based on gasket dimensions 8 x 10 mm

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