

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

\* Measuring based on gasket dimensions 8 x 10 mm

Headquarters  
**RAMPF Giessharze GmbH & Co. KG**  
 Albstraße 37  
 D-72661 Grafenberg

T +49 (0) 7123 9342-0  
 F +49 (0) 7123 9342-2444  
 E info@rampf-giessharze.de  
 www.rampf-giessharze.de



**RAMPF**<sup>®</sup>  
 discover the future