

# RAKU-PUR® Foam Gaskets

## Solutions for the lighting industry



### Application:

- » 2K-PUR-FIPFG Foam Gaskets are used for industrial lighting (e.g. in moisture-prone areas)
- » Secure sealing of electrical components against water, humidity and dust (IP67)
- » Low assembly forces necessary
- » Low interaction between foam gasket and plastics
- » 2K-FIPFG foam gaskets with UL 50

### Solution:

#### **RAKU-PUR 31-3105-5**

- » UL 94 V0 and HBF
- » Good compression recovery

#### **RAKU-PUR 31-3131-1**

- » Good mechanical properties
- » Good adhesion to metals

#### **RAKU-PUR 31-3135**

- » Very low water absorption
- » UL 50

#### **RAKU-PUR 32-3251**

- » Good sealing properties
- » Low fogging



# RAKU-PUR® Foam Gaskets

## Physical and mechanical properties

	Test norm	Unit	RAKU-PUR 31-3105-5	RAKU-PUR 31-3131-1	RAKU-PUR 31-3135	RAKU-PUR 31-3151
<b>Mixing ratio A : B</b>		pbw.	10 : 1	5.5 : 1	10 : 1	100 : 12
<b>Weight of the foam*</b>	RPV DS-202	g/ml	400	380	270 - 300	270 - 300
<b>Viscosity, <math>\gamma=2,5 \text{ s}^{-1}</math></b>	ISO 2884-1	mPa*s	20,000 – 30,000	5,000 – 10,000	2,000 - 5,000	1,000 – 3,000
<b>Cream time</b>		Sec.	32 – 42	20 – 30	60 – 70	45 – 60
<b>Tack-free time</b>		Min.	3 – 7	2 – 4	7 - 10	3 – 6
<b>Hardness*</b>	DIN 53505	Shore 00	50	50 - 55	30 - 35	25 - 35
<b>Compression load deflection (distortion at 40%)</b>	EN ISO 604	MPa	0.28	0.13	0.02 – 0.03	0.03
<b>Tensile strength</b>	ISO 1798	MPa	0.25	0.37	0.09 – 0.13	60 – 80
<b>Elongation at break</b>	ISO 1798	%	75	130	70 – 90	100 – 120
<b>Compression set 24h (50%/70°C)</b>	EN ISO 1856	%	12	3	28 – 32	2 – 4
<b>Water absorption, weight increase in uncompressed condition</b>	24h storing in 10 m deep water	%	12	6	17 – 20	6 - 8
<b>Temperature resistance in loaded condition</b>		°C	-40 bis +90	-40 bis +90	-40 bis +90	-40 bis +90
<b>Special Properties</b>			» UL 94 V0 and HBF » Good compression recovery	» Good mechanical properties » Good adhesion to metal	» Very low water absorption » UL 50	» Good sealing properties » Low fogging

\* Measuring based on gasket dimensions 8 x 10 mm

Version 2008/09. Subject to change. Errors excepted.

Headquarters  
**RAMPF Giessharze GmbH & Co. KG**  
 Alustraße 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**  
 discover the future