

RAKU-PUR® Foam Gaskets

Solutions for the packaging industry



Application:

- » 2K-PUR-FIPFG Foam gasket for lids made of metal or plastic
- » Safe sealing and protection from water, humidity and dust
- » Low assembly forces necessary
- » Reproducible, very high quality

Solution:

RAKU-PUR 31-3116-2

- » Easy handling
- » Good price-performance ratio

RAKU-PUR 31-3135

- » Low assembly forces
- » Suitable for medical lids e.g. repositories

RAKU-PUR 31-3150

- » UV- resistance
- » Very high mechanical strength

RAKU-PUR 33-1024-3

- » High chemical resistance
- » Aliphatic sealing



RAKU-PUR® Foam Gaskets

Physical and mechanical properties

	Test norm	Unit	RAKU-PUR 31-3116-2	RAKU-PUR 31-3135	RAKU-PUR 31-3150	RAKU-PUR 33-1024-3
Mixing ratio A : B		pbw.	5 : 1	10 : 1	2 : 1	100 : 45
Weight of the foam*	RPV DS-202	g/ml	350	270 - 300	310	440
Viscosity, $\gamma=2,5 \text{ s}^{-1}$	ISO 2884-1	mPa*s	4,000 – 6,000	2,000 - 5,000	2,000 – 4,000	1,200 – 2,000
Cream time		Sec.	35 - 45	60 – 70	60 – 90	55 - 65
Tack-free time		Min.	6 - 10	7 - 10	5 - 10	2 - 5
Hardness*	DIN 53505	Shore 00	55	30 - 35	60 - 70	65 - 75
Compression load deflection (distortion at 40%)	EN ISO 604	MPa	0.10	0.02 – 0.03	0.11	0.19
Tensile strength	ISO 1798	MPa	0.30	0.09 – 0.13	0.22	0.78
Elongation at break	ISO 1798	%	85	70 – 90	70	300
Compression set 24h (50%/70°C)	EN ISO 1856	%	1	28 – 32	5	47
Water absorption, weight increase in uncompressed condition	24h storing in 10 m deep water	%	25	17 – 20	9	11
Temperature resistance in loaded condition		°C	-40 to +90	-40 to +90	-40 to +90	-40 to +80
Special Properties			» Easy handling » Good price-performance ratio	» Low assembly forces » Suitable for medical applications » Very low water absorption	» UV-resistant » Very high mechanical strength	» High chemical resistance » Aliphatic sealing

* Measuring based on gasket dimensions 8 x 10 mm

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