

# Physical Product Datasheet

## RAKU-PUR 32-3250, all colors

### 2-component foam gasket

Re - Rev.-Status: 02 – 2006/03/07

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Test	Specimens used:	Test Norm (based on):	Mixing ratio A:B = 4.5:1	Mixing ratio A:B = 5:1
Foam density	Groove-foamed stripe, 8 x 10 mm	RPV DS-202	320 - 360 g/l	290 – 330 g/l
Hardness Shore 00	Groove-foamed stripe, 8 x 10 mm	DIN 53 505	45 - 50	40 – 45
Hardness Shore A	Groove-foamed stripe, 8 x 10 mm	DIN 53 505	5 - 7	4 – 6
Compression Hardness Compression 20, 40 and 70%	Groove-foamed stripe, 8 x 10 mm	EN ISO 604	0,015 – 0,025 MPa 0,035 – 0,045 MPa 0,165 – 0,175 MPa	0,015 – 0,025 MPa 0,035 – 0,045 MPa 0,145 – 0,155 MPa
Tensile Strength	Moulded dog-bone, same density as the gasket	ISO 1798	570 - 580 kPa	460 – 470 kPa
Break Elongation	Moulded dog-bone	ISO 1798	130 - 150 %	150 -170 %
Compression Recovery 24h. at RT	Groove-foamed stripe, 8 x 10 mm	EN ISO 1856	99-100 %	99-100 %

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Test	Specimens used:	Test Norm (based on):	Mixing ratio A:B = 4.5:1	Mixing ratio A:B = 5:1
Compression Set at 70°C 22 h, 50% Compression	Groove-foamed stripe, 8 x 8, 8 x 10 mm	EN ISO 1856	10 - 12 %	10 – 12 %
Compression Set at 90°C 22 h, 25 % Compression	Groove-foamed stripe, 8 x 8, 8 x 10 mm	EN ISO 1856	18 - 20 %	18 – 20 %
Water Absorption, % Mass increase in uncompressed state, integral skin only on one side	Groove-foamed de- moulded ring, Ø10cm, 8 x 10mm	24 h. storage under 10cm Water	6 - 8 %	7 – 9 %
Temperature Resistance 168 h. at 100°C	Groove-foamed stripe, 8 x 10 mm	Dry heat, no mechanical stress	no loss of mechanical strength	no loss of mechanical strength
Temperature Resistance 72 h. at 140°C	Groove-foamed stripe, 8 x 10 mm	Dry heat, no mechanical stress	no loss of mechanical strength	no loss of mechanical strength
Freeze Resistance, 24 h. at -30°C	Pin Ø5mm	Pin-bending test	no cracks	no cracks
UV-Light Resistance 1 Week at RT	Groove-foamed stripe, 8 x 10 mm	Xenon-Lampe	no loss of mechanical strength, no cracks	no loss of mechanical strength, no cracks

All tests were conducted on untreated specimens (no heat), which were manufactured at least 3 days before testing

*Our recommendations on the use of the material are based on many years of experience and current scientific and practical knowledge. They are, however, provided without any obligation on our part and do not relieve the buyer of the need for suitability tests. They do not constitute a legal relationship, nor are any protected third party rights whatsoever affected thereby.*