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Physical Product Datasheet

RAKU-PUR 32-3250, all colors

2-component foam gasket

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 %

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, ∅10cm, 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 ∅5mm	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