

Physical and mechanical properties

| | RAKU-PUR® 50-2422 Spray Moulding | RAKU-PUR® 50-2463 Spray Moulding | RAKU-PUR® 50-2431 Spray Moulding | RAKU-PUR® 50-2432 Spray Moulding | RAKU-PUR® 34-4014 Backfilling with rigid foam |
|---------------------------------|--|--|--|---|--|
| Density (g/l) | 1,130 – 1,170 | approx. 1,450 | 1,230 – 1,270 | 650 – 850 | 50 – 120 |
| Pot life (s) | 55 – 65 | 110 – 120 | 50 | 40 – 50 | Start time: 40 – 45 |
| Viscosity A-component (mPas) | 3,500 | 3,500 – 5,500 | 10,700 – 12,700 | 8,500 – 9,500 | 1,000 – 1,500 |
| Viscosity B-component (mPas) | 250 – 400 | 250 – 400 | 2,900 – 4,500 | 300 – 400 | 250 – 400 |
| Hardness | 75 – 85 Shore D | 80 – 85 Shore D | 70 – 75 Shore D | 55 – 60 Shore D | 35 – 50 Shore A |
| Properties | <ul style="list-style-type: none"> » A-component unfilled » Very fast curing » Use of glass fibres possible » High impact strength » Material does not drip while spraying » For moulded parts » Reinforcement of plastic » High thermal stability | <ul style="list-style-type: none"> » A-component filled » Closed surface » Use of glass fibres possible » High impact strength » Good adhesion » Material does not drip while spraying | <ul style="list-style-type: none"> » A-component filled » High impact strength » Low water absorption » Short reaction time » Light-stable » Food safe » Fabrication of compact spray skins | <ul style="list-style-type: none"> » A-component unfilled » Low density (slightly foamed) » Short reaction time » Material does not drip while spraying » High mechanical strength » For reinforcement layers | <ul style="list-style-type: none"> » Fabrication with 2-K-high pressure machines » Good insulation » Good fluidity » Short curing time |

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