



TECHNOLOGY MAKES LIFE BETTER

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IOTA R31000 silazane ceramic precursor adhesive

Product characteristics: Room temperature curing, short curing time, excellent temperature resistance, temperature resistance 800-1000°C

Product description: Three-components silazane ceramic precursor adhesive.

Product application: The product can be used for bonding and sealing between metals, ceramics or composite materials and preparing high temperature resistant coating materials.

Packing: 0.5L~10L plastic drum or customized according to customer requirements

Technical index:

Appearance: gray black, no solvent

Viscosity: ~5000cp

Performance index:

Tensile strength at room temperature >4MPa, tensile strength at 400°C >3MPa

Tensile shear strength at 600°C >3MPa, Tensile shear strength at 800°C >2MPa

Tensile shear strength at 1000°C >1MPa

Aging at 400°C for 7 days, room temperature bond strength 6.11MPa

Aging at 450°C for 7 days, room temperature bond strength 7.28MPa

Aging at 600°C for 5h, bonding strength at 600°C 8.15 MPa

Aging at 600°C for 300h, room temperature bond strength 10.17MPa, 600°C bond strength 10.5MPa,

Aging at 600°C for 5 hours, cooling to room temperature, 10 cycles of high and low temperature, 600°C bond strength 6.16MPa

Curing conditions: operating time 30 minutes, curing process: room temperature, 5~7 days

Storage: The shelf life of curing agent is 1 year; After the curing agent is unsealed, its validity is affected by the protection measures, the validity is about 6 months at dry and cool place condition. It should be stored in a cool and dry place.

Note: Ammonia gas will overflow when the cap is opened after long time. It is best to use it in a ventilated environment.

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