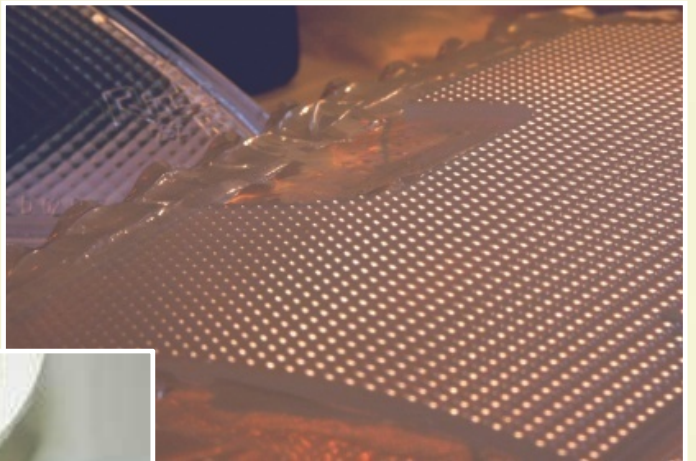


altropol

RTV Silicones

Condensation systems
Addition systems



NEUKASIL RTV Silicones

Fascinating reproduction accuracy, high elasticity, easy processability and very good release properties are only a few of the outstanding features of NEUKASIL RTV silicones. Therefore, these silicones are an ideal mould making material. Years of experience, most up-to-date production plants and high-quality raw materials generate unique products which are exactly matched to the requirements of the practice. Altropol offers both condensation- and addition-crosslinking systems ranging from the silicone gel to the tough-elastic rubber.

The NEUKASIL RTV silicone rubber systems are divided into two different type ranges.

Type range 1 (condensation systems)

Condensation-crosslinking silicone compounds are the typical casting materials when precise reproduction of the original, long-time stability and high resistance to reproduction materials and/or casting systems are required. Architecture, artistic design or concrete cast are only a few of the numerous applications. The crosslinker is marked with the letter C. The systems of the type range 1 are to a large extent insensitive to vulcanization inhibitions.

Type range 2 (addition systems)

Addition-crosslinking silicones vulcanize without separation of reaction products and can thus be cast into closed moulds without any problems. The crosslinker is marked with the letter A. The products were developed under the focus “easy processing, outstanding self-release properties and high product reliability”. Addition systems are generally non-toxic and therefore also suitable for food applications.

NEUKASIL RTV Condensation Systems

	Main features	Applications
RTV 10	<ul style="list-style-type: none"> · low-viscous · very good flowability · higher hardness (Shore A 50) · variable pot lives 	<ul style="list-style-type: none"> · mould making · suitable for polyester, epoxides, wax · casting of electrical component parts
RTV 13	<ul style="list-style-type: none"> · low-viscous · very good flowability · mean hardness (Shore A 30) · variable pot lives 	<ul style="list-style-type: none"> · mould making · suitable for polyester, epoxides, wax · casting of electrical component parts
RTV 14	<ul style="list-style-type: none"> · brushable paste · variable pot lives (from 25 to 45 min) 	<ul style="list-style-type: none"> · coating and sealing material · mould making · suitable for polyester, epoxides, wax
RTV 15	<ul style="list-style-type: none"> · brushable paste · high resistance to initial tearing and tear propagation · variable pot lives 	<ul style="list-style-type: none"> · mould making · suitable for polyester, epoxides, wax · polyurethane foaming
RTV 16	<ul style="list-style-type: none"> · low-viscous · non-toxic · low hardness (Shore A 20) 	<ul style="list-style-type: none"> · mould making · suitable for polyester, epoxides, wax · casting of electrical component parts
RTV 17	<ul style="list-style-type: none"> · low-viscous · very good flowability · high hardness (Shore A 65) · variable pot lives 	<ul style="list-style-type: none"> · mould making · suitable for polyester, epoxides, wax · casting of low-melting metals

NEUKASIL RTV Condensation Systems – high strength

	Main features	Applications
RTV 102	<ul style="list-style-type: none"> · good flowability · can be made thixotropic · adjustment of hardness with RTV 103 (Shore A 19-28) 	<ul style="list-style-type: none"> · mould making · suitable for polyester, epoxides, wax · concrete cast
RTV 103	<ul style="list-style-type: none"> · good flowability · can be made thixotropic · adjustment of hardness with RTV 102 (Shore A 19-28) 	<ul style="list-style-type: none"> · mould making · suitable for polyester, epoxides, wax · artistic objects
RTV 104	<ul style="list-style-type: none"> · good flowability · short pot life and short demoulding time · Shore A 35 	<ul style="list-style-type: none"> · mould making · arts & handicraft · suitable for polyester, epoxides, wax
RTV 125	<ul style="list-style-type: none"> · can be made thixotropic · special crosslinkers with a good resistance to styrene and/or resistance to polyurethane · Shore A 23 	<ul style="list-style-type: none"> · mould making · arts & handicraft · particularly for polyester and wax · particularly for polyurethane and epoxy resins
RTV 145	<ul style="list-style-type: none"> · good mechanical strength · good flowability · high Shore A hardness (approx. 45) 	<ul style="list-style-type: none"> · mould making · arts & handicraft · suitable for polyester and wax · suitable for polyurethane and epoxy resins
RTV 1701	<ul style="list-style-type: none"> · good flowability · can be made thixotropic · Shore A 22 	<ul style="list-style-type: none"> · mould making · suitable for polyester, epoxides, wax · arts & handicraft · concrete cast

NEUKASIL RTV Addition Systems

	Main features	Applications
RTV 20	<ul style="list-style-type: none"> · higher hardness (Shore A 55) · high resistance to initial tearing and tear propagation · variable pot lives 	<ul style="list-style-type: none"> · mould making · suitable for polyester, epoxides, wax · casting of electrical component parts · production of parts, prototypes
RTV 22	<ul style="list-style-type: none"> · high resistance to initial tearing and tear propagation · can be made thixotropic, very good flowability · mixing ratio = 1 : 1 · quick through-curing , Shore A 22 	<ul style="list-style-type: none"> · general mould making · body casting · production of moulds for chocolate, marzipan and similar
RTV 23	<ul style="list-style-type: none"> · variable hardness (Shore A 6 to 25) · very good flowability · high resistance to initial tearing and tear propagation · variable pot lives 	<ul style="list-style-type: none"> · suitable for e. g. plaster of Paris, wax · casting of electrical component parts · products for orthopaedics · coating of woven fabrics
RTV 24	<ul style="list-style-type: none"> · very low mixed viscosity · high hardness (Shore A 45) 	<ul style="list-style-type: none"> · casting of electrical component parts · production of transformers · embedding material
RTV 25	<ul style="list-style-type: none"> · very good flowability · high Shore A hardness (Shore A 58) 	<ul style="list-style-type: none"> · general mould making · coating of woven fabrics · embedding material and material for electrical insulation
RTV 26	<ul style="list-style-type: none"> · variable hardness (Shore A from 7 to 28) · very good flowability · high resistance to initial tearing and tear propagation 	<ul style="list-style-type: none"> · production of elastic moulds · Casting of electrical component parts · products for orthopaedics · coating of woven fabrics

NEUKASIL RTV Addition Systems

	Main features	Applications
RTV 27	<ul style="list-style-type: none"> · high hardness (Shore A 45) · very low mixed viscosity · variable pot life 	<ul style="list-style-type: none"> · general mould making · coating of woven fabrics · embedding material and material for electrical insulation
RTV 28	<ul style="list-style-type: none"> · low viscosity · can be made thixotropic · Shore A 27 (crosslinker A 141) · Shore A 33 (crosslinker A 140) 	<ul style="list-style-type: none"> · production of products for orthopaedics · mould making for artistic objects · embedding material and material for electrical insulation
RTV 29	<ul style="list-style-type: none"> · very soft silicone (Shore 00 = 30) · very low mixed viscosity · reddish brown 	<ul style="list-style-type: none"> · Tampon printing · coating of woven fabrics · products for orthopaedics
RTV 240	<ul style="list-style-type: none"> · Shore hardness A 42 · very good flowability, translucent · shrinkage-free vulcanization at room temperature 	<ul style="list-style-type: none"> · production of elastic moulds · particularly for prototyping · excellent resistance to vacuum casting resins
RTV 250	<ul style="list-style-type: none"> · high hardness (Shore A 55) · high resistance to initial tearing and tear propagation · high mould resistance 	<ul style="list-style-type: none"> · production of elastic moulds · particularly for prototyping · excellent resistances

For detailed information on the Altropol products, please refer to the respective technical data sheets which you can also download in the internet under www.altropol.de. You are always welcome to get into direct contact with us. Our experienced technicians will be pleased to assist you with your specific application and also answer your questions about all the other products of Altropol.

NEUKADUR Epoxy Resins

- Gel coats
- Coupling pastes
- Casting compounds
- Casting resins
- Laminating resins / pastes
- Infusion resins
- Foam systems
- Epoxy pastes

NEUKADUR Polyurethanes

- Fast-cast resins
- Casting resins
- Casting compounds, hard and flexible
- Prototype casting resins
- RIM low pressure systems
- Foam systems
- Altrofloor floor coating systems

Auxiliares and Fillers

- metallic and mineral fillers
- EP- / PU- / glueing systems as well as auxiliaries for the infusion method
- Cups, brushes, gloves
- Glass fabric
- Release agents
- Thixotropic agents
- Detergents
- Sheet wax
- Polyester patching compounds
- Tooling boards
- Modelling compounds

Neukapol

- Polyurethane raw material

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