

SILPURAN[®] 2420 A/B



Room Temperature Curing Silicone Rubber (RTV-2)

Addition-curing RTV-2 silicone rubber curing to a silicone elastomer of medium hardness.

Properties

- biocompatible, certificates of compatibility with USP Class VI and ISO 10993 available on request
- no by-products from curing process
- low viscosity, easily pourable
- mixing ratio 1 : 1
- fast cure at room temperature which can be accelerated considerably by the application of heat
- translucent vulcanisate with good tear resistance

Specific features

- Addition Curing
- Biocompatible
- Fast curing at room temperature
- Flowable
- Suitable for skin contact
- Two-component

Technical data

Properties Uncured

Property	Condition	A	B	Method
Color	-	translucent	translucent	-
Density	-	1.06 g/cm ³	1.09 g/cm ³	DIN EN ISO 2811-1
Viscosity, dynamic	-	2500 mPa·s	5000 mPa·s	DIN EN ISO 3219

These figures are only intended as a guide and should not be used in preparing specifications.

Properties Catalyzed A+B

Property	Condition	Value	Method
Color	-	translucent	-
Mix ratio	-	1 : 1	A : B
Pot Life	23 °C	54 min	DIN EN ISO 2555

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Properties Cured

Curing conditions: 10 min / 100 °C

Property	Condition	Value	Method
Tear strength	-	13 N/mm	ASTM D 624 B
Hardness Shore A	-	12	DIN ISO 48-4
Hardness Shore 00	-	60	ASTM D 2240
Tensile strength	-	3.5 N/mm ²	ISO 37 type 1
Elongation at break	-	680 %	ISO 37 type 1

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Applications

- Insoles, Orthoses & Pelottes
- Orthotics & Prosthetics

Application details

SILPURAN® 2420 A/B can be used for flexible molding applications in orthopedic technology.

Processing

Components A and B of SILPURAN® 2420 A/B are mixed homogeneously in a ratio of A : B = 1 : 1 and vulcanise rapidly at temperatures over 100 °C. In a given application the required curing conditions (temperature and time) will also depend on the size and thickness of the specimen.

Detailed instructions for preparation and use are given in the brochure "Room Temperature Vulcanizing (RTV) Silicones - Material and Processing Guidelines".

Important note:
The platinum catalyst is in component A.

Only A and B components with the same batch number may be processed together!

Packaging and storage

Storage

The 'Best use before end' date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Safety notes

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from WACKER subsidiaries or may be printed via WACKER web site <http://www.wacker.com>.

QR Code SILPURAN® 2420 A/B



For technical, quality or product safety questions, please contact:

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