

# SILPURAN<sup>®</sup> 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

### Technical data

#### Properties Uncured

Property	Condition	A	B	Method
Color	-	translucent	translucent	-
Density	-	1.06 g/cm <sup>3</sup>	1.09 g/cm <sup>3</sup>	ISO 2811
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	-

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## Properties Cured

Curing conditions: 10 min / 100 °C

Property	Condition	Value	Method
Hardness Shore A	-	12	ISO 868
Hardness Shore 00	-	60	ASTM 2240 / Type 00
Tensile strength	-	3.5 N/mm <sup>2</sup>	ISO 37
Elongation at break	-	680 %	ISO 37
Tear strength	-	13 N/mm	ASTM D 624 B

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All the information provided is in accordance with the present state of our knowledge. Nonetheless, we disclaim any warranty or liability whatsoever and reserve the right, at any time, to effect technical alterations. The information provided, as well as the product's fitness for an intended application, should be checked by the buyer in preliminary trials. Contractual terms and conditions always take precedence. This disclaimer of warranty and liability also applies particularly in foreign countries with respect to third parties' rights.

## Applications

- Orthopedics & 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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