

ELASTOSIL[®] P 7670 A/B



Room Temperature Curing Silicone Rubber (RTV-2)

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

Properties

- low viscosity, easily pourable
- mixing ratio 1 : 1
- short pot-life
- rapid cure at room temperature which can be accelerated considerably by the application of heat
- low hardness Shore A (~ 7)

Specific features

- Addition Curing
- Fast curing at room temperature
- Flowable
- Two-component

Technical data

Properties Uncured

| Property | Condition | A | B | Method |
|--------------------|-----------|------------------------|------------------------|-------------------|
| Color | - | translucent | translucent | - |
| Density | 23 °C | 1.01 g/cm ³ | 1.05 g/cm ³ | DIN EN ISO 2811-1 |
| Viscosity, dynamic | - | 1800 mPa·s | 1800 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 | 20 min | DIN EN ISO 2555 |

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

Properties Cured

| Property | Condition | Value | Method |
|---------------------|-----------|-----------------------|---------------|
| Tear strength | - | 2.1 N/mm | ASTM D 624 B |
| Hardness Shore A | - | 7 | DIN ISO 48-4 |
| Hardness Shore 00 | - | 55 | ASTM D 2240 |
| Tensile strength | - | 1.8 N/mm ² | ISO 37 type 1 |
| Elongation at break | - | 600 % | ISO 37 type 1 |

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Applications

- Insoles, Orthoses & Pelottes
- Orthotics & Prosthetics

Application details

ELASTOSIL® P 7670 A/B can be used for flexible molding applications in prosthetics.

Processing

The components A and B of ELASTOSIL® P 7670 A/B are mixed homogeneously in a ratio of 1 : 1 and vulcanize 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 part.

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.

Caution!

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 ELASTOSIL® P 7670 A/B



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

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