

# ELASTOSIL<sup>®</sup> P 7683/62 US A/B

## Room Temperature Curing Silicone Rubber (RTV-2)

ELASTOSIL<sup>®</sup> P 7683/62 US A/B is a flowable, addition curing, two-part silicone rubber with short working time at room temperature (23 °C).

ELASTOSIL<sup>®</sup> P 7683/62 US A/B forms a transparent vulcanisate with high tear strength, high elongation at break and low hardness.

### Properties

- Pourable, addition-crosslinking RTV-2 silicone rubber
- Single components of very low viscosity
- At room temperature (23 °C) demoldable after approx. 100 minutes
- High tear resistance
- Cured material has a smooth, dry feel

## Technical data

### Properties Uncured

| Property           | Condition | A                      | B                      | Method   |
|--------------------|-----------|------------------------|------------------------|----------|
| Color              | -         | Transparent            | -                      | -        |
| Viscosity, dynamic | -         | 23000 mPa·s            | 23000 mPa·s            | ISO 3219 |
| Specific gravity   | 23 °C     | 1.06 g/cm <sup>3</sup> | 1.08 g/cm <sup>3</sup> | -        |

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

### Properties Catalyzed A+B

| Property                                     | Condition | Value     | Method |
|--|-----------|-----------|--------|
| Mix ratio                                    | -         | 1 : 1 pbw | -      |
| Pot Life viscosity increase to 100,000 mPa s | 23 °C     | 10 min    | -      |

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### Properties Cured

| Property            | Condition   | Value       | Method          |
|---------------------|-------------|-------------|-----------------|
| Appearance          | -           | Transparent | -               |
| Tear strength       | -           | 120 ppi     | ASTM 624 B      |
| Hardness Shore A    | -           | 10          | DIN 53505       |
| Hardness Shore 00   | 2 h   23 °C | 60          | -               |
| Tensile strength    | -           | 640 psi     | DIN 53504 S 3 A |
| Elongation at break | -           | 900 %       | DIN 53504 S 3 A |

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## Application details

ELASTOSIL® P 7683/62 US A/B is suitable for artificial skins, cushions, braces, insoles etc.

## Processing

The two components A + B are mixed homogeneously (A : B = 1 : 1). They are vulcanised at temperature.

## Packaging and storage

### Storage

ELASTOSIL® P 7683/62 US A/B has a shelf life of at least 12 months when stored between -10°C and +30°C in the originally sealed container. The 'Best use before end' date of each batch appears 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.

## QR Code ELASTOSIL® P 7683/62 US A/B



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

**Wacker Chemie AG**, Hanns-Seidel-Platz 4, 81737 Munich, Germany  
productinformation@wacker.com, www.wacker.com

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