SILPURAN® 2120 A/B

Room Temperature Curing Silicone Rubber (RTV-2)

Two-component, addition-curing silicone composition curing to a soft silicone adhesive

Properties

- biocompatible, certificates of compatibility with USP Class VI and ISO 10993 available on request
- no by-products from curing process
- medium viscosity, pourable
- mixing ratio 1 : 1
- low adhesion, typical value 1.2 N/2.5 cm (90° peel test, on stainless steel)
- high transparency

Technical data

Properties Uncured

<table>
<thead>
<tr>
<th>Property</th>
<th>Condition</th>
<th>A</th>
<th>B</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td></td>
<td>colorless</td>
<td>colorless</td>
<td>-</td>
</tr>
<tr>
<td>Density</td>
<td></td>
<td>0.97 g/cm³</td>
<td>0.97 g/cm³</td>
<td>ISO 2811</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td></td>
<td>31000 mPa-s</td>
<td>30500 mPa-s</td>
<td>DIN EN ISO 3219</td>
</tr>
</tbody>
</table>

These figures are only intended as a guide and should not be used in preparing specifications.
Properties Catalyzed A+B

<table>
<thead>
<tr>
<th>Property</th>
<th>Condition</th>
<th>Value</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td></td>
<td>colorless</td>
<td>-</td>
</tr>
<tr>
<td>Mix ratio</td>
<td></td>
<td>1 : 1</td>
<td>A : B</td>
</tr>
<tr>
<td>Pot Life</td>
<td>23 °C</td>
<td>20 min</td>
<td>-</td>
</tr>
</tbody>
</table>

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

Properties Cured

<table>
<thead>
<tr>
<th>Property</th>
<th>Condition</th>
<th>Value</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Penetration⁽¹⁾</td>
<td></td>
<td>120 1/10mm</td>
<td>-</td>
</tr>
</tbody>
</table>

⁽¹⁾hollow cone of 62.5 g, curing time 60 min at 120 °C

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

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

- Medical Silicone Adhesives

Application details

SILPURAN® 2120 A/B can be used as a skin adhesive in medical applications.

Processing

Components A and B of SILPURAN® 2120 A/B are mixed homogeneously in a ratio A : B = 1 : 1 and vulcanise rapidly at temperatures over 100 °C.

SILPURAN® 2120 A/B has good adhesive properties that can be adjusted to suit the relevant requirements: Increasing the proportion of component A results in a softer vulcanisate and increased tackiness. Increasing the proportion of component B results in a harder vulcanisate and reduced tackiness.

Important note:
The platinum catalyst is contained 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 SILPURAN® 2120 A/B

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

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

The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this medium should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The information provided by us does not absolve the user from the obligation of investigating the possibility of infringement of third parties' rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either express or implied, of the fitness or suitability of the product for a particular purpose.