SUPERACRYL® PLUS
Heat-curing cross-linked denture base resin

DURACRYL® PLUS
Self-curing cross-linked denture base resin
SUPERACRYL® PLUS
Heat-curing cross-linked denture base resin

**Indications:**
- Bases of complete dentures
- Bases of partial dentures
- Manufacturing of orthodontic appliances
- Indirect rebasing

**Advantages:**
- Different types of polymerization
- Reduced risk of breakage
- Easily finished and polished
- High precision, excellent fit
- Available in wide range of colours

**Properties:**
- High flexural strength
- Low water sorption and solubility
- High colour stability
- Very good adhesion to acrylic teeth
- High dimensional stability

<table>
<thead>
<tr>
<th>Mechanical Properties</th>
<th>SUPERACRYL® PLUS</th>
<th>ISO * 1567:2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexural strength</td>
<td>96.91 MPa</td>
<td>&gt; 65</td>
</tr>
<tr>
<td>Water solubility</td>
<td>0.23 g/mm³</td>
<td>&lt; 1.6</td>
</tr>
<tr>
<td>Water sorption</td>
<td>22.52 g/mm³</td>
<td>&lt; 32</td>
</tr>
</tbody>
</table>

* Requirements of ISO 1567:2000 for Type 1 dental polymers – heat-curing polymers

**Flexural strength**
- Product 1
  - 100 Mpa
- Product 2
  - 80 Mpa
- ISO 1567:2000
  - 60 Mpa
  - 40 Mpa
  - 20 Mpa
  - 0 Mpa

Mixing ratio: powder : liquid = 3 : 1
- Dough time: 12 – 16 min
- Plasticity interval: cca 10 min
- Total working time: 25 min
**Indications:** Repairs of dentures
Extensions of dentures
Manufacturing of immediate dentures

**Advantages:**
- Easy preparation and workability
- Easily finished and polished
- Convenient manipulation time
- Matches shades of SUPERACRYL® PLUS

**Properties:**
- High flexural strength
- Low water sorption and solubility
- High colour stability
- High-strength bonding to denture base resins

**Mechanical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>DURACRYL® PLUS</th>
<th>ISO 1567:2000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexural strength</td>
<td>94,46 MPa</td>
<td>&gt; 60</td>
</tr>
<tr>
<td>Water solubility</td>
<td>2.51 g/mm²</td>
<td>&lt; 8</td>
</tr>
<tr>
<td>Water sorption</td>
<td>22.92 g/mm²</td>
<td>&lt; 32</td>
</tr>
</tbody>
</table>

**Requirements of ISO 1567:2000 for Type 2 dental polymers – self-curing polymers**

**Flexural strength**

<table>
<thead>
<tr>
<th>Product</th>
<th>Mpa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product 1</td>
<td>60</td>
</tr>
<tr>
<td>Product 2</td>
<td>40</td>
</tr>
<tr>
<td>ISO 1567:2000</td>
<td>20</td>
</tr>
</tbody>
</table>

Mixing ratio: powder : liquid = 3 : 1

- Dough time: 2 – 4 min
- Manipulation time: 3 – 5 min
- Setting time: 7 min
**SUPERACRYL® PLUS**

*Heat-curing cross-linked denture base resin*

- Powder 500 g
- Liquid 250 g

**Available colours:**
- O – transparent
- X – with fibres
- U / V / Z / Y

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**DURACRYL® PLUS**

*Self-curing cross-linked denture base resin*

- Powder 500 g
- Liquid 250 g

**Available colours:**
- O / U / V / Z

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**Measuring devices:**
- Doser for liquid
- Measuring spoon for powder
- Measuring cup for liquid

**Shade guide:**

Your distributor: