gs-80 spherical

ECONOMICAL, HIGH STRENGTH SPHERICAL AMALGAM
GS-80 spherical’s superior quality and outstanding strength ensures greater safety margins and a tough, durable restoration. GS-80 spherical has optimised plasticity which enables easy placement producing minimum porosity and maximum strength.

**Dimensional change (1)**
GS-80 spherical has a small negative contraction. Large negative values can contribute to post operative sensitivity.

**High compressive strength (1)**
GS-80 spherical’s high compressive strength minimises the risk of fracturing the restoration. High compressive strength ensures a tough, durable and long lasting restoration.

<table>
<thead>
<tr>
<th>Physical properties</th>
<th>GS-80 spherical</th>
<th>Megalloy*</th>
<th>Tytin*</th>
</tr>
</thead>
<tbody>
<tr>
<td>composition</td>
<td>Ag 56%, Sn 29%, Cu 15%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>mercury to alloy ratio</td>
<td>0.74 : 1 (42.5% Hg)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>alloy particle</td>
<td>spherical</td>
<td></td>
<td></td>
</tr>
<tr>
<td>compressive strength @ 1 hour</td>
<td>260 MPa (37,700 psi)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>compressive strength @ 24 hours</td>
<td>530 MPa (76,850 psi)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>diametral tensile strength @ 1 hour</td>
<td>25 MPa (3,625 psi)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>diametral tensile strength @ 24 hours</td>
<td>50 MPa (7,250 psi)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>static creep @ 7 days</td>
<td>0.1 %</td>
<td></td>
<td></td>
</tr>
<tr>
<td>dimensional change @ 24 hours</td>
<td>-3 µm/cm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Choice of setting times**

The working and setting times allow large restorations to be condensed and carved without difficulty.

<table>
<thead>
<tr>
<th>Plunger</th>
<th>Pick up and condensing time</th>
<th>Carving time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fast set</td>
<td>3 minutes</td>
<td>5.5 minutes</td>
</tr>
<tr>
<td>Regular set</td>
<td>6 minutes</td>
<td>3.5 minutes</td>
</tr>
</tbody>
</table>

**Capsule system**

The SDI capsule system is designed to give consistent and accurate mixes every mix.

**Optimal handling characteristics**

GS-80 spherical’s consistent mix, ease of loading, placement in preparations, condensability, burnishability, quality of interproximal contact, carvability, and setting characteristics ensure the final restorations meet the needs of the operator.

**Choice of capsule sizes**

The pluggers denote the spill size:

- 1 spill
- 2 spill
- 3 spill
- 5 spill

The rest of the capsule denotes the setting speed:

- Fast
- Regular

**NOTE:** 5 spill only available in regular set.

**ultramat 2**

The dual voltage Ultramat 2 with a high precision microprocessor controlled timer provides consistent and accurate trituration, ensuring the optimal handling and clinical characteristics of mixed materials.
Boxes of 50 capsules - one spill 400 mg alloy
4401363  regular set
4401262  fast set
Boxes of 50 capsules - two spill 600 mg alloy
4402363  regular set
4402262  fast set
Boxes of 50 capsules - three spill 800 mg alloy
4403363  regular set
4403262  fast set
Boxes of 50 capsules - five spill 1200 mg alloy
4405060  regular set

Jars of 500 capsules - one spill 400 mg alloy
4421363  regular set
4421262  fast set
Jars of 500 capsules - two spill 600 mg alloy
4422363  regular set
4422262  fast set
Jars of 500 capsules - three spill 800 mg alloy
4423363  regular set
4423262  fast set
Jars of 500 capsules - five spill 1200 mg alloy
4425060  regular set

Introductory Pack
Contains: 50 assorted conventional GS-80 spherical capsules.
10 x 1 Spill, 25 x 2 Spill, 10 x 3 Spill, 5 x 5 Spill.
Total alloy weight 33g.
4402266  regular set

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Made in Australia by SDI Limited
Bayswater, Victoria 3153
Australia 1 800 337 003
Austria 00800 022 55734
Brazil 0800 770 1735
France 00800 022 55 734
Germany 0800 100 5759
Ireland 01 886 9577
Italy 800 780625
New Zealand 0800 734 034
Spain 00800 022 55 734
United Kingdom 00800 022 55 734
USA & Canada 1 800 228 5166
www.sdi.com.au

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(1) Source-Published and SDI test data.