Spin-on-Glass GaB-220

<table>
<thead>
<tr>
<th>Elements of Interest</th>
<th>Key Element atoms/cm³</th>
<th>Key Element % in Film</th>
</tr>
</thead>
<tbody>
<tr>
<td>Si, O, Ga, B</td>
<td>Ga, 4E+21, B, 9.4E+21</td>
<td>Gallium, Boron</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>Viscosity, n (635nm)</th>
<th>Thickness</th>
<th>Shelf Life</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0 cps, 1.5</td>
<td>Coats 270 nm at 3000 rpm</td>
<td>20°C 3 months</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4°C 9 months</td>
</tr>
</tbody>
</table>

**Benefits**
- Gallium, Boron mixture
- Uniform Coatings
- High purity materials
- Lower melting point than silica alone
- Stable processing independent of flow rates
- Available with impurity specification of less than 1 ppm or less than 50 ppb

**Typical Application**
This is a mixture of silicate gallium and boron doped glass useful for semiconductor applications. It begins curing at about 200°C to give a less dense but solid film. It continues to become increasingly stronger as bakes continue to 650°C or higher. We recommend baking at the highest temperature the material will see in any post processing. For doping applications the glass is often removed after drive in.

**Packaging**
- 240ml
- 500ml
- 1 l
- 2.5 l
- 4 l

**Alternative Products**
- Ga-100
- B-1200

**Alternate Elements to Add**
- Blends of two or more elements
- Other elements available for compound semiconductor use
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