Spin-on-Glass As-200

<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, As</td>
<td>As, 4E+21</td>
<td>Arsenic</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Viscosity (cps)</th>
<th>Thickness</th>
<th>Shelf Life</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1 cps</td>
<td>Coats 250 nm at 3000 rpm</td>
<td>20°C 3 months</td>
</tr>
<tr>
<td>Refractive Index (n) @635nm</td>
<td></td>
<td>4°C 9 months</td>
</tr>
<tr>
<td>1.49</td>
<td></td>
<td></td>
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</tbody>
</table>

**Benefits**

- Medium Arsenic doping level
- Uniform Coatings
- High purity materials
- 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 standard silicate arsenic doped glass very typical for semiconductor applications. It begins curing at about 200°C to give a less dense but solid film. It continues to become increasingly dense as temperatures increase 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**

As-300

**Elements Available to Add**

- Sb
- Bi
- Blends of two or more elements
- Other elements available for compound semiconductor use
Spin-on-Glass As-200

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