Spin-on-Glass B-1200HP

<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, B</td>
<td>4.1 X 10^21</td>
<td>Boron</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Viscosity</th>
<th>Thickness</th>
<th>Shelf Life</th>
</tr>
</thead>
</table>
| 1.2 cps   | Coats 4000 Å at 3000 rpm | 20°C 3 months
|           |           | 4°C 9 months             |

Benefits

- Medium boron doping level
- Only one drive in tube required
- Lower maintenance and cost of ownership
- High purity materials
- Uniform Coatings
- Lower melting point than silica alone
- Stable processing independent of flow rates
- Low PPB Range

Typical Application

This is a standard silicate boron doped glass very typical for semiconductor applications. Typical curing at 150° - 200°C gives a low density but solid film. It continues to become increasingly dense as temperature increases 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. The boron in glass form is easier to process through than solid source and other processes.

Packaging

- 8 oz (240ml)
- 16 oz (480ml)
- Larger sizes available for higher volume applications

Alternative Products

- B-1000
- B-1500

Alternate P-Type Elements Available

- Al
- Ga
- In
- Blends of two or more elements are available
- Listed above are typical Silicon doping, other elements are available for compound semiconductor doping.
Although all statements and information presented in this document are believed to be accurate and reliable, they are presented without warranty or guarantee of any kind, express or implied. Information presented does not relieve the end user from carrying out their own tests to determine suitability for use in their application. User assumes all risk and liability for use product or information and results obtained. Suggestions for use of material and processes are made without representation or warranty that any such is free from patent infringement and are not recommendations for patent infringement. Please see MSDS for information regarding health and safety of material use.