Spin-on-Glass Mg-210P

<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, Mg, O</td>
<td>Mg, 4E+21</td>
<td>Mg</td>
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</tbody>
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<tr>
<th>Viscosity</th>
<th>Thickness</th>
<th>Shelf Life</th>
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<tbody>
<tr>
<td>0.9 cps</td>
<td>Coats 2100 Å at 3000 rpm</td>
<td>20°C 3 months</td>
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<tr>
<td></td>
<td>Refractive Index = 1.44</td>
<td>4°C 9 months</td>
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</tbody>
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Benefits

- Available with impurity specification of less than 1 ppm or less than 50 ppb.
- For final target concentration ranges from 5E+17 to 5E+19 of Magnesium.
- Uniform Coatings
- High purity materials

Typical Application

The concentration of the source for driving-in is typically high; in the range of 4E+21 this leaves a high concentration of dopant right at the surface. During drive in the dopant diffuses into the substrate. Mg-210P has a film concentration of 4E+21 Magnesium atoms per cubic centimeter. This addition of Magnesium eliminates any concentration gradient that may exist and prohibits the loss of magnesium through the surface layer.

Packaging
- 240ml
- 500ml
- 1 L
- 2.5 L
- 4 L

Alternative Products
Mg-210N
Other target concentration levels available.

Elements Available to Add
- As
- Sb
- Bi
- Other elements available for compound semiconductor use
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