Spin-on-Glass In-345

<table>
<thead>
<tr>
<th>Elements of Interest</th>
<th>Key Element atoms/cm$^3$</th>
<th>Key Element % in Film</th>
</tr>
</thead>
<tbody>
<tr>
<td>In, Si, O</td>
<td>In, 4E+21</td>
<td>In</td>
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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 1500 Å at 3000 rpm</td>
<td>20°C 3 months</td>
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<tr>
<td></td>
<td>Refractive Index = 1.50</td>
<td>4°C 9 months</td>
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</tbody>
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Benefits
- Highest indium dopant profiles
- Uniform Coatings
- High purity materials
- Available with impurity specification of less than 1 ppm or less than 50 ppb.
- Lower maintenance and cost of ownership
- Stable processing independent of flow rates

Custom target concentration levels available

Typical Application
The concentration of the source for driving-in is typically high; in the range of 4E+21 leaves a high concentration of dopant right at the surface. During drive in the dopant diffuses into the substrate. In-345 adds a level of dopant consistent with the final desired concentration. It begins curing at about 200°C to give a less dense but solid film. It continues to become increasingly dense as bakes continue to 350°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.

Available in
- 240ml
- 500ml
- 1 Liter
- 2.5 L
- 4 Liter

Alternative Products
Other target concentration levels available

Alternate Elements to Add
- As
- Sb
- Ga
- Al
- Sn
Other elements available for compound semiconductor use
Spin-on-Glass In-345

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