Spin-on-Glass Al-250

<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, Al</td>
<td>Al, 4E+21</td>
<td>Aluminum</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Viscosity, n (635nm)</th>
<th>Thickness</th>
<th>Shelf Life</th>
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</thead>
<tbody>
<tr>
<td>0.9 cps, 2.7</td>
<td>Coats 180 nm at 3000 rpm</td>
<td>20°C 3 months</td>
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<tr>
<td></td>
<td></td>
<td>4°C 9 months</td>
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</tbody>
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Benefits
- Heavy Aluminum doping level
- 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 standard silicate aluminum 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 strong and more dense 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
- Al-200
- ZnAs-200

Alternate Elements to Add
- Blends of two or more elements
- Other elements available for compound semiconductor use
Spin-on-Glass Al-250

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