



# Spin-on-Glass In-345

<b>Elements of Interest</b> In, Si, O	<b>Key Element atoms/cm<sup>3</sup></b> In, 4E+21	<b>Key Element % in Film</b> In
<b>Viscosity</b> 0.9 cps	<b>Thickness</b> Coats 1500 Å at 3000 rpm Refractive Index = 1.50	<b>Shelf Life</b> 20°C 3 months 4°C 9 months

## 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

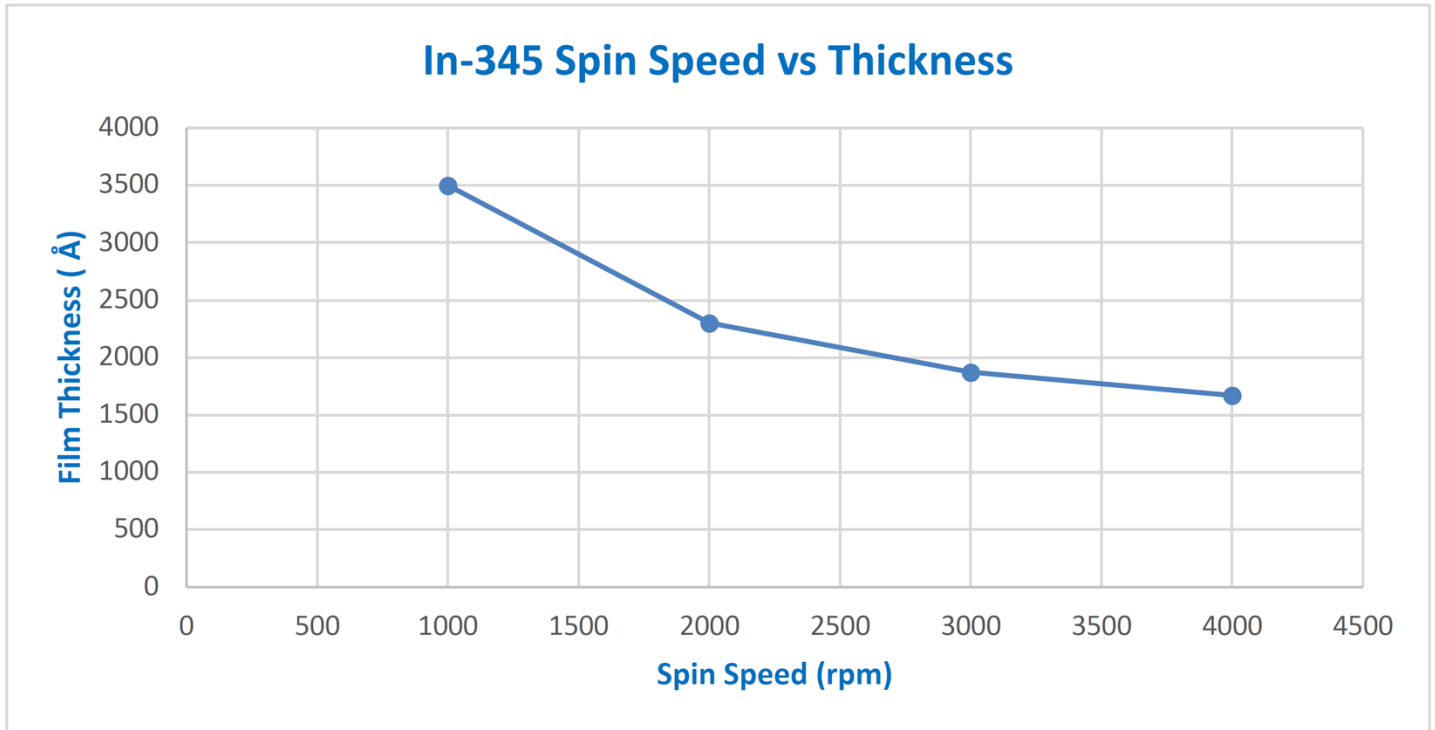
Other target concentration levels available

### Alternate Elements to Add

- As
- Sb
- Ga
- Al
- Sn

Other elements available for compound semiconductor use

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