

## Spin-on-Glass Ag-135

<b>Elements of Interest</b> Si, O, Ag	<b>Key Element atoms/cm<sup>3</sup></b> Ag, 4E+21	<b>Key Element % in Film</b> Silver
<b>Viscosity, <math>\eta</math> (635nm)</b> 0.9 cps, 1.4	<b>Thickness</b> Coats 150 nm at 3000 rpm	<b>Shelf Life</b> 20°C 3 months 4°C 9 months

### Benefits

- Previously unavailable Silver doping
- 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 silver doped glass for semiconductor applications. It begins curing at about 200°C to give a less dense but solid film. It continues to become increasingly stronger as bakes continue to 450°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.

- 240ml
- 500ml
- 1 l
- 2.5 l
- 4 l

### Alternative Products

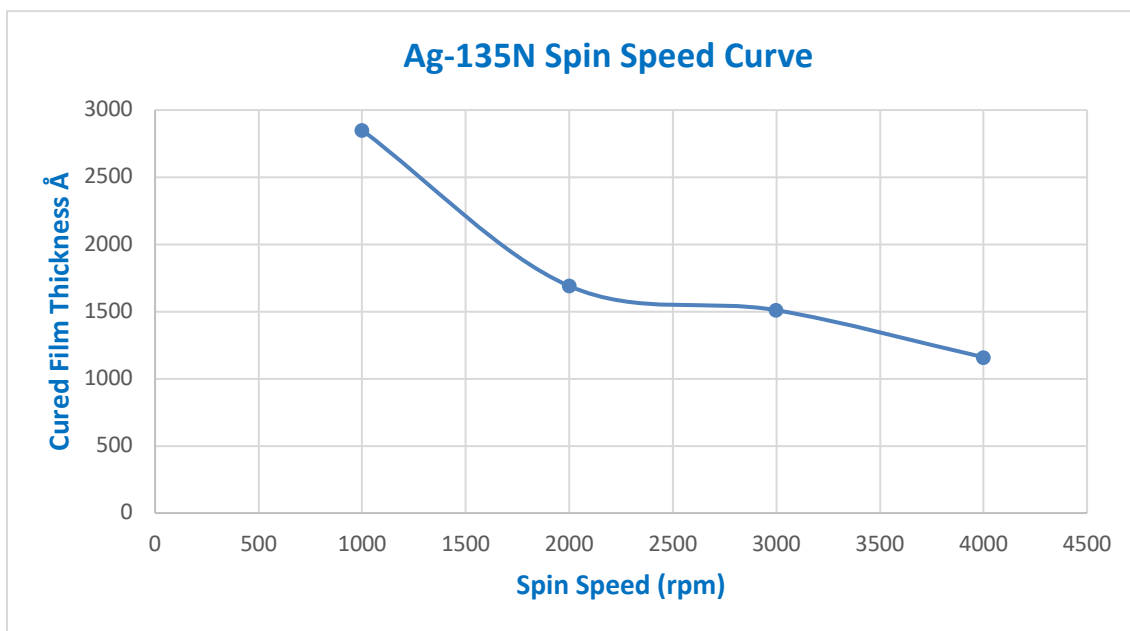
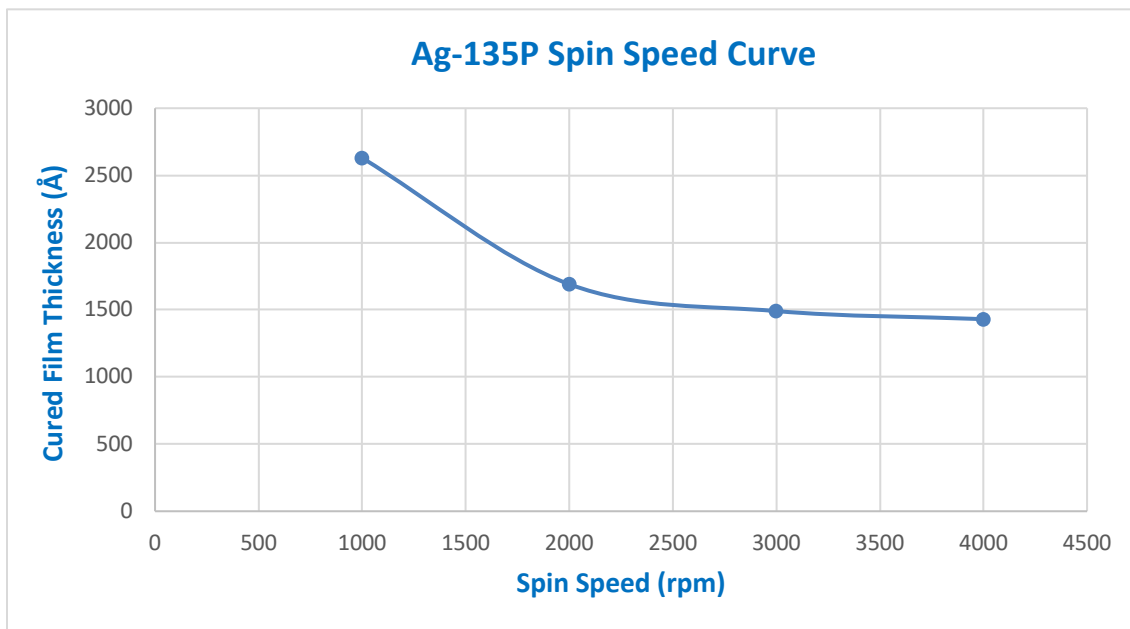
- Al-200
- Mg-210

### Alternate Elements to Add

- Blends of two or more elements
- Other elements available for compound semiconductor use

### Packaging

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