

## Spin-on-Glass BPSG-50

<b>Elements of Interest</b> Si, O, B, P	<b>Key Element atoms/cm<sup>3</sup></b> B, 2.0E+21 P, 4.0E+21	<b>Key Element % in Film</b> Boron, Phosphorus
<b>Viscosity</b> 1.1 cps	<b>Thickness</b> Coats 2800 Å at 3000 rpm	<b>Shelf Life</b> 20°C 3 months 4°C 9 months

### Benefits

- Medium boron phosphorus doping level
- Only one drive in tube required
- Lower maintenance and cost of ownership
- High purity materials
- Uniform Coatings
- 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 borophosphosilicate glass very typical for semiconductor reflow 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 650°C or higher. We recommend baking at the highest temperature the material will see in any post processing.

### Packaging

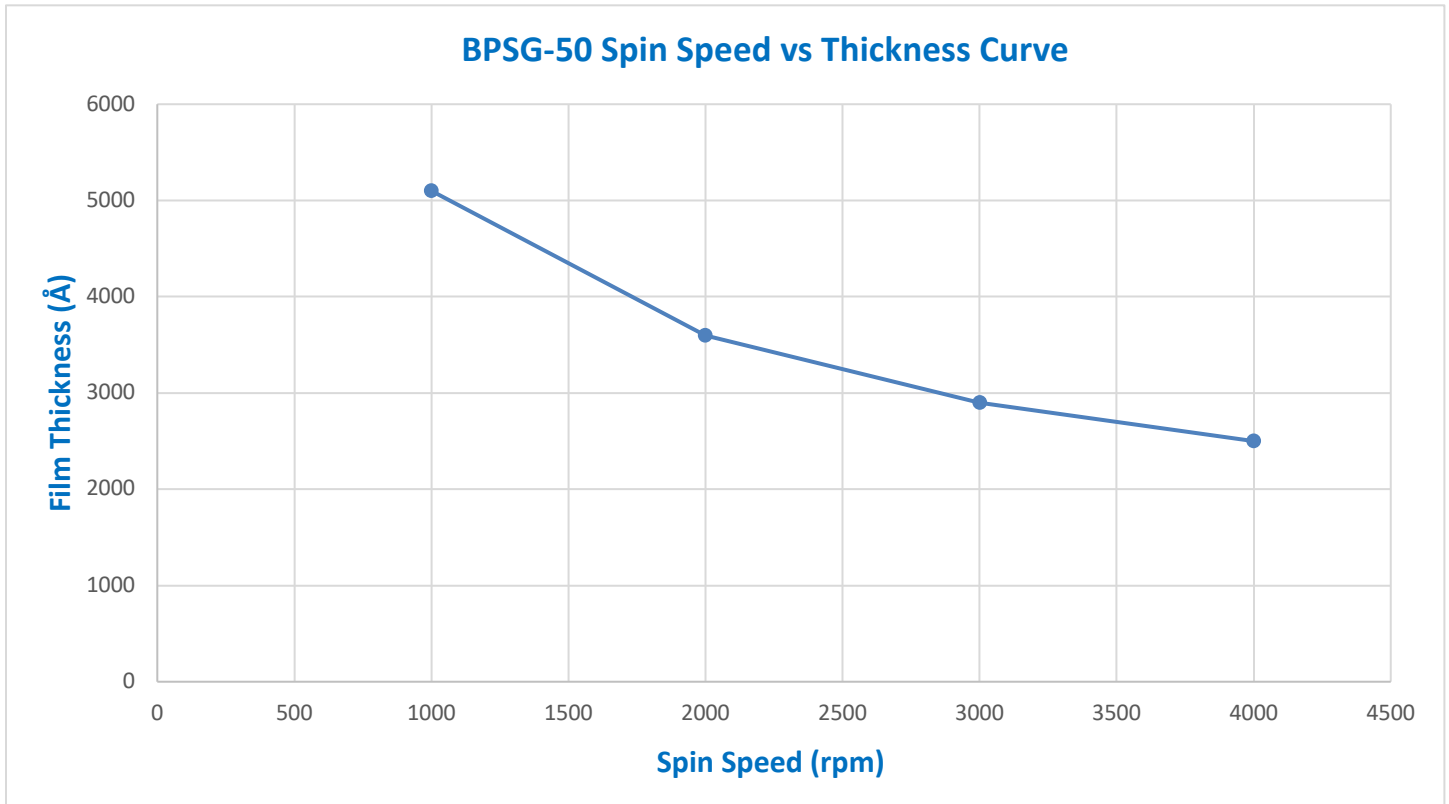
- 240ml
- 500ml
- 1 l
- 2.5 l
- 4 l

### Alternative Products

BPSG-839

**Alternate Elements Are Available**

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