

Spin-on-Glass B-1500HP

Elements of Interest Si, O, B	Key Element atoms/cm³ 7.2 X 10 ²¹	Key Element % in Film Boron
Viscosity 1.2 cps	Thickness Coats 6600 Å at 3000 rpm	Shelf Life 20°C 3 months 4°C 9 months

Benefits

- High boron 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
- Low PPB Range

Typical Application

This is a standard silicate boron doped glass very typical for semiconductor applications. Typical curing at 150° - 200°C gives a low density but solid film. It continues to become increasingly dense as temperature increases 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. The boron in glass form is easier to process through than solid source and other processes.

Packaging

- 8 oz (240ml)
- 16 oz (480ml)
- Larger sizes available for higher volume applications

Alternative Products

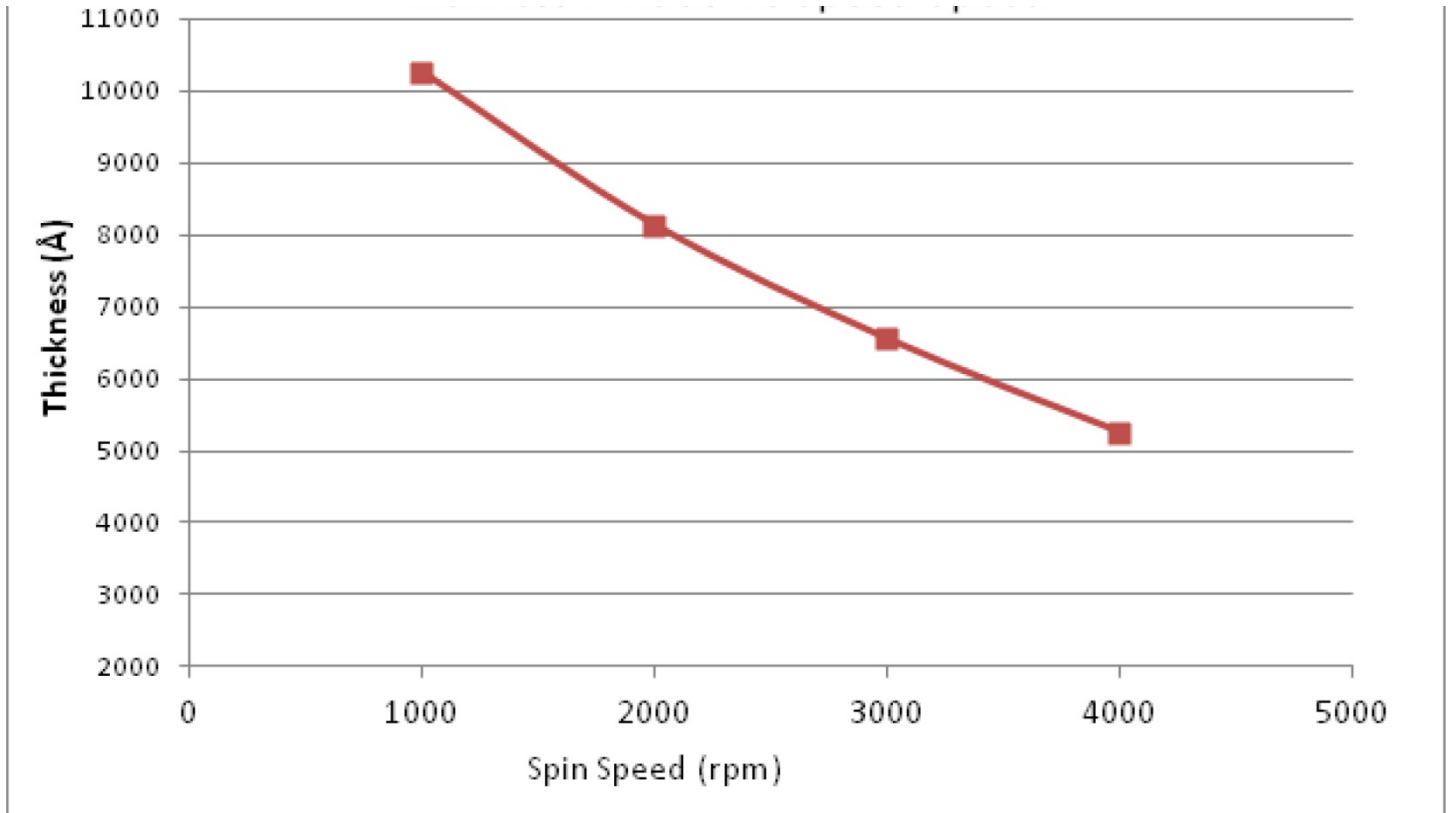
B-1000
B-1500

Alternate P-Type Elements Available

- Al
- Ga
- In
- Blends of two or more elements are available
- Listed above are typical Silicon doping, other elements are available for compound semiconductor doping

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B-1500HP Thickness vs Spin Speed



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