

Spin-on-Glass B-750

Elements of Interest Si, O, B	Key Element atoms/cm³ B, 3.5E+19	Key Element % in Film Boron
Viscosity, (n) 1.0 cps, Refractive Index 1.46	Thickness Coats 1800 Å at 3000 rpm	Shelf Life 20°C 3 months 4°C 9 months

Benefits

- Light 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
- Available with impurity specification of less than 1 ppm or less than 50 ppb

Typical Application

This is a silicate boron doped glass for semiconductor and solar (back contact) 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. For doping applications the glass is often removed after drive in.

The boron in glass form is easier and cleaner to drive in than solid source processes and can give higher concentrations if desired.

Packaging

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

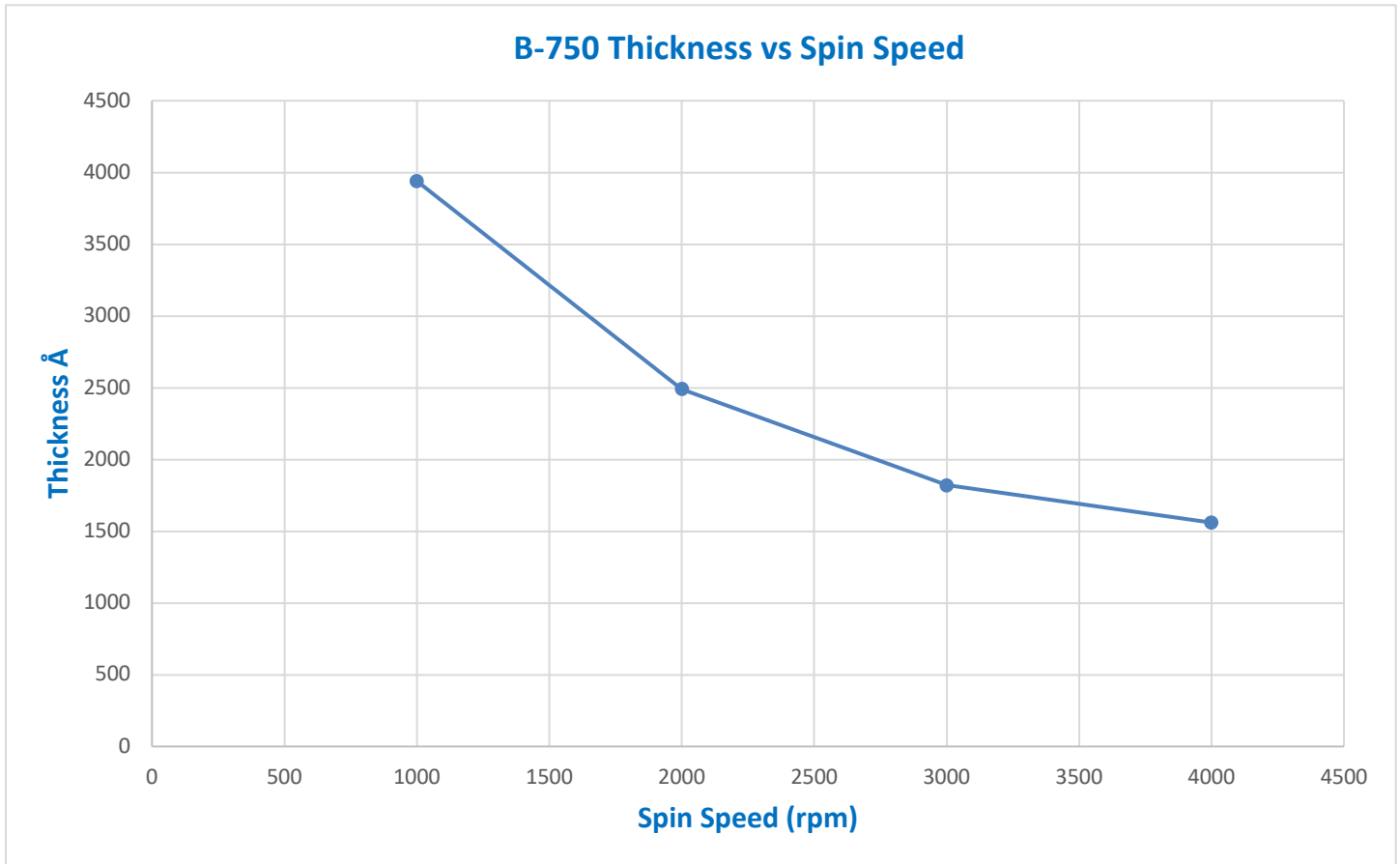
Alternative Products

- B-1000
- B-1200
- B-1500

Alternate Elements Available

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

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