

Spin-on-Glass Mg-210P

Elements of Interest Si, Mg, O	Key Element atoms/cm³ Mg, 4E+21	Key Element % in Film Mg
Viscosity 0.9 cps	Thickness Coats 2100 Å at 3000 rpm Refractive Index = 1.44	Shelf Life 20°C 3 months 4°C 9 months

Benefits

- For final target concentration ranges from 5E+17 to 5E+19 of Magnesium
- Uniform Coatings
- High purity materials
- Available with impurity specification of less than 1 ppm or less than 50 ppb

Typical Application

The concentration of the source for driving-in is typically high; in the range of 4E+21 this leaves a high concentration of dopant right at the surface. During drive in the dopant diffuses into the substrate. Mg-210P has a film concentration of 4E+21 Magnesium atoms per cubic centimeter. This addition of Magnesium eliminates any concentration gradient that may exist and prohibits the loss of magnesium through the surface layer.

Packaging

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

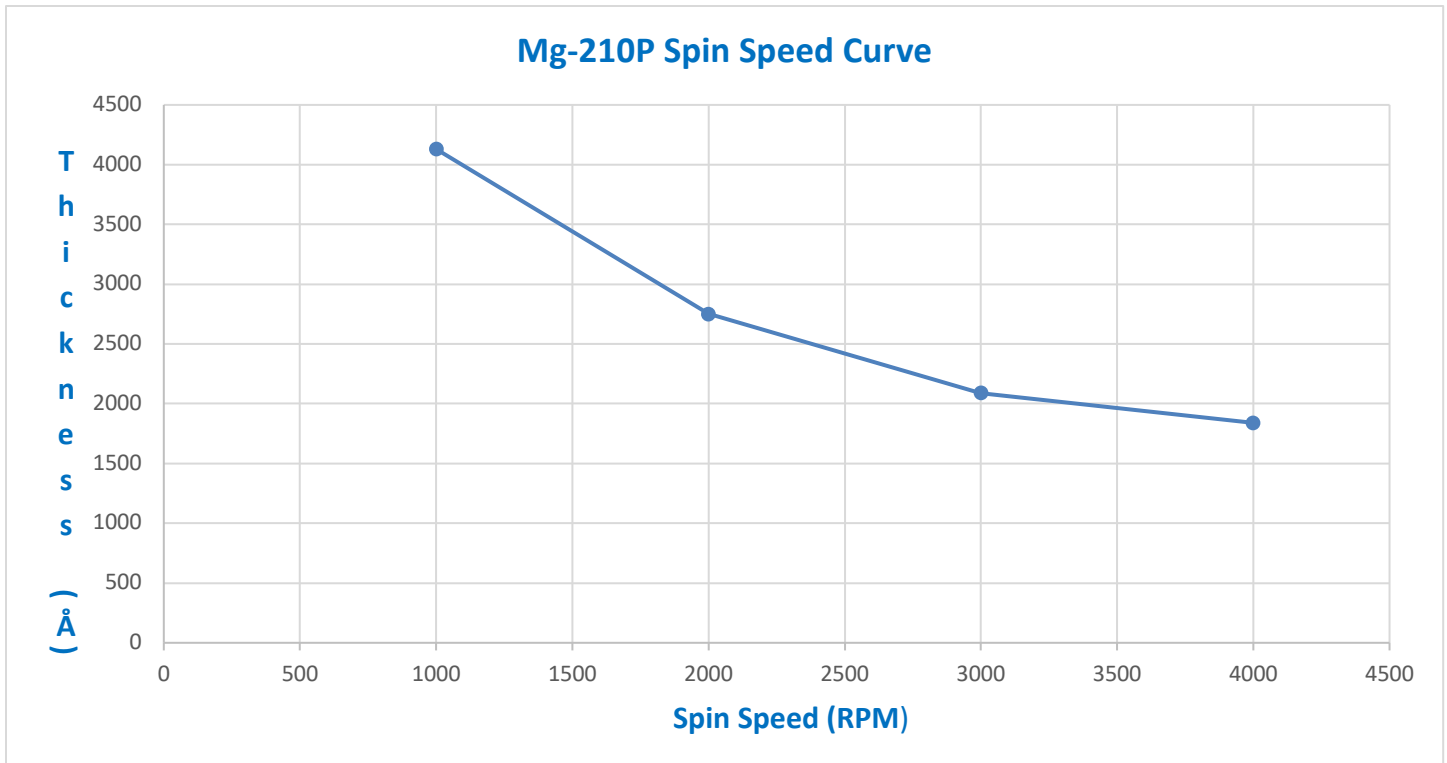
Alternative Products

Mg-210N
Other target concentration levels available

Alternate Elements to Add

- As
- Sb
- Bi
- Other elements available for compound semiconductor use

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