

Spin-on-Glass LiP-864

Elements of Interest Si, O, Li, P		Key Element atoms/cm³ Li, 4E+21 P, 4E+21	Key Element % in Film Phosphorous 50% Lithium 50%
Viscosity Index 1.3 cps	Refractive Index 1.46	Thickness Coats 2900 Å at 3000 rpm	Shelf Life 20°C 3 months 4°C 9 months

Benefits

- Uniform Coatings
- High purity materials
- High P & Li doping levels
- Available with impurity specification of less than 1 ppm or less than 50 ppb
- Lower maintenance and cost of ownership

Typical Application

This is a custom lithium-phosphorous doped silicate for special research applications. It begins curing at about 200°C to give a less dense but solid film. It continues to become increasingly dense as bakes continue to 300-650°C or higher. We recommend baking at the highest temperature (or higher) that the substrate will see in any post SOG processing. The concentration of the source for driving-in is typically high and leaves a high concentration of dopant right at the surface. During drive in, the dopant diffuses into the substrate. For doping applications, the glass is typically removed after diffusion.

Packaging

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

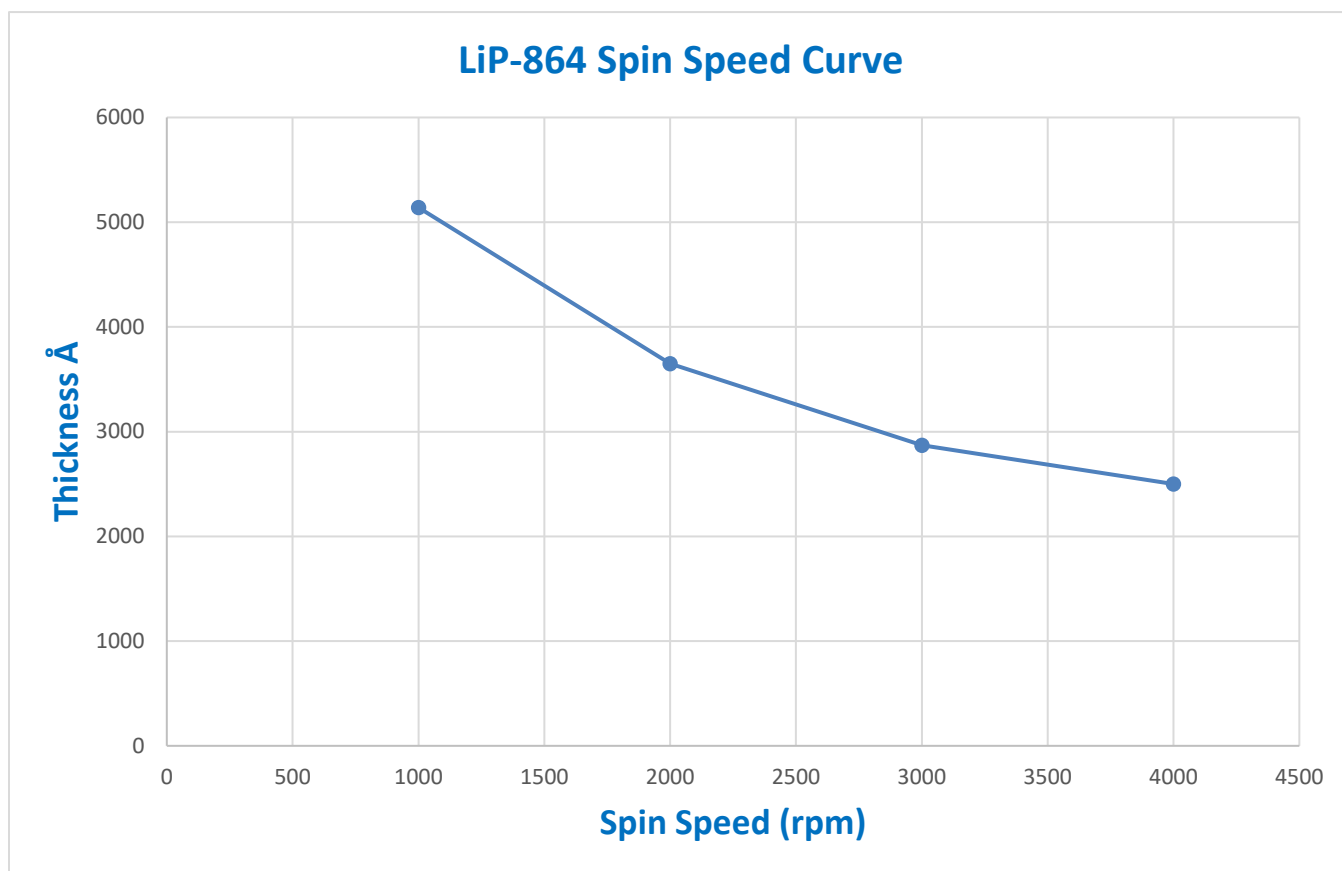
Alternative Products

LiP-260
Other target concentration levels available.

Alternate Elements to Add

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

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