



Spin-on-Glass ZnP-640

Elements of Interest Si, O, Zn, P	Key Element atoms/cm³ Zn, 4E+21 P, 8E+19	Key Element in Film Zinc, Phosphorus
Viscosity 1.3 cps	Thickness Coats 200 nm at 3000 rpm	Shelf Life 20°C 3 months 4°C 9 months

Benefits

- Medium zinc and phosphorus doping level
- Easy shipping without POCl₃ complications
- Lower maintenance and cost of ownership
- High purity materials
- Uniform Coatings
- Stable processing independent of flow rates

Typical Application

This is a zinc, phosphorus doped glass special formulation for semiconductor applications. It begins curing at about 200°C to give a less dense but solid film. It continues to become increasingly dense at higher temperatures. 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 phosphorous in the glass matrix can act as a getter for sodium and other mobile ions. This reduces the effective concentration of unwanted ionic species.

Packaging

- 240ml
- 500ml
- 1 liter
- 4 liter

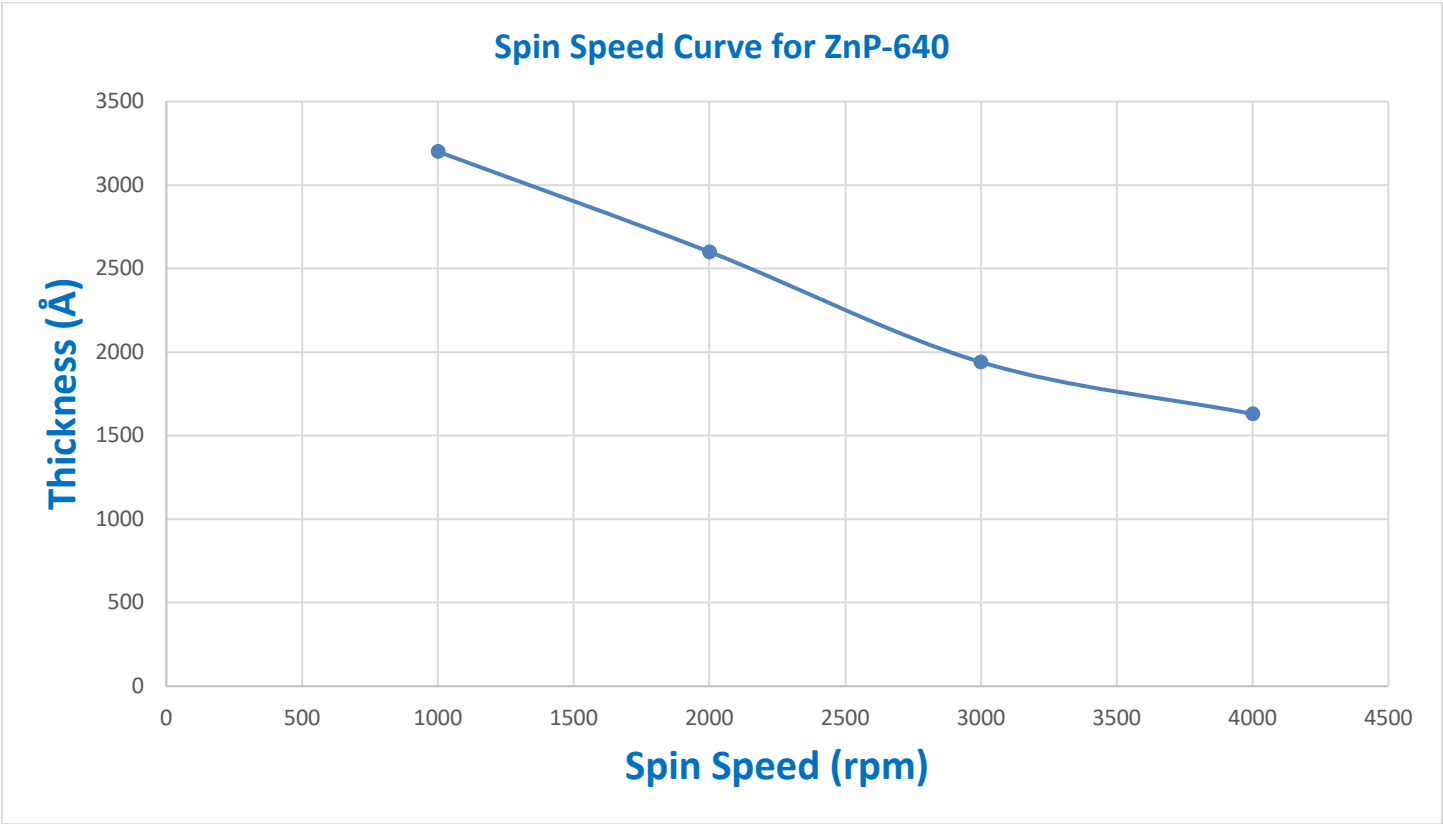
Alternative Products

Zn-640HP
Zn-655HP
ZnAs-650

Alternate Elements to Add

- As
- Sb
- Bi
- Blends of two or more elements
- Other elements available for compound semiconductor use

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