

Spin-on Glass ZnP-640/ZnP-640HP

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| Elements of Interest Si, O, Zn, P | Key Elements atoms/cm³ Zn, 4E+21, P, 8E+20 | Key Elements % in Film Zinc, Phosphorus |
| Viscosity, n (635nm) 0.9 cps, 1.5 | Thickness Coats 260 nm at 3000 rpm | Shelf Life 20°C 3 months 4°C 9 months |

Benefits

- Helps Compensate for P out diffusion
- Uniform Coatings and Dopant Uniformity
- Heavy Zinc and Phosphorus doping level
- High purity materials
- Stable processing independent of flow rates
- Available with impurity specification of less than 1 ppm or less than 50 ppb (ZnP-640HP).

Typical Application

This is a standard silicate Zinc and Phosphorus doped glass. 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 if the material is to remain with the part. For doping applications the glass is often removed after drive in.

Packaging

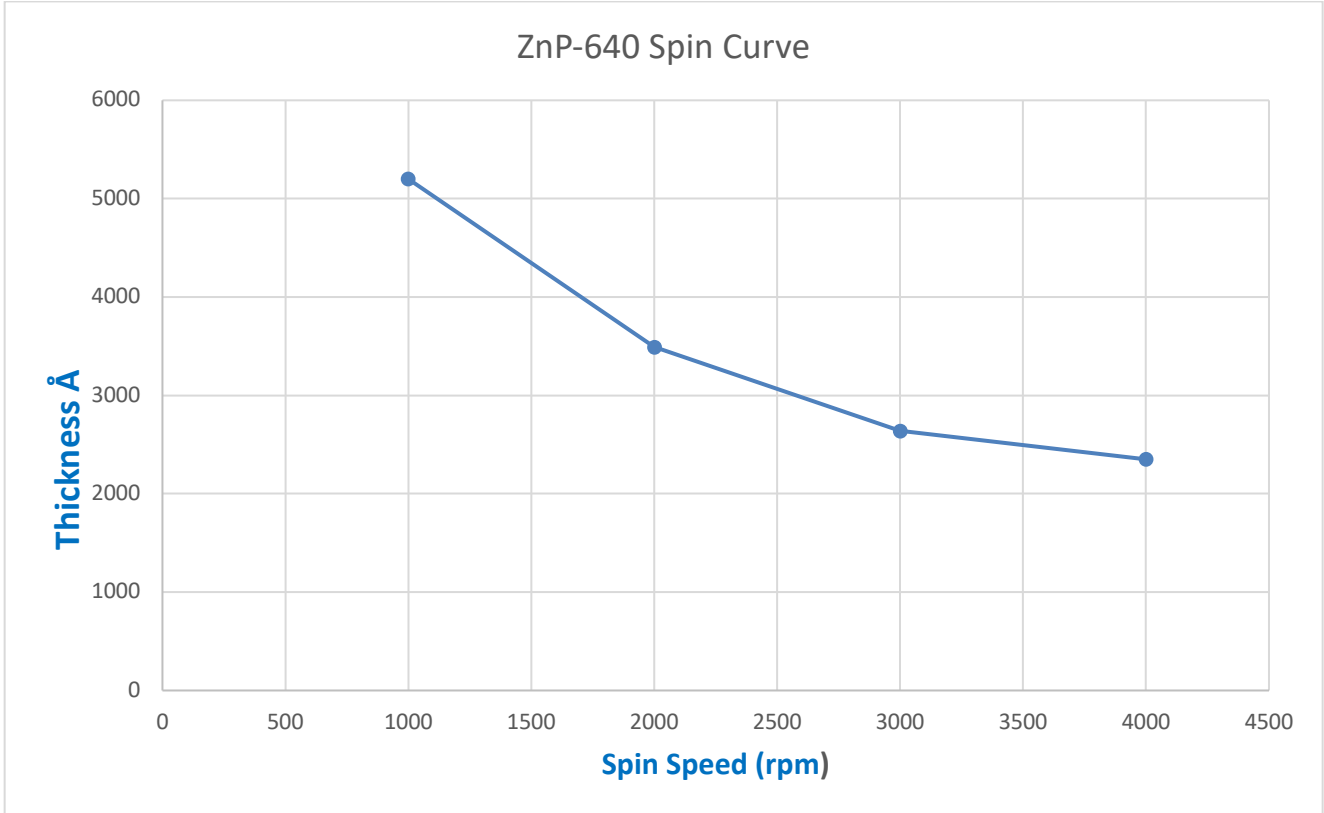
- 240ml (8 ounce)
- 480ml (16 ounce)
- 500ml (1/2 liter)
- 1 liter
- 2.5 liter
- 4 liter

Alternative Products

ZnAs-200
Zn-640

Elements Available to Add

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



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