Spin-on-Glass BPSG-50

Elements of Interest
Si, O, B, P

Key Element atoms/cm$^3$
B, 2.0E+21  P, 4.0E+21

Key Element % in Film
Boron, Phosphorus

Viscosity
1.1 cps

Thickness
Coats 2800 Å at 3000 rpm

Shelf Life
20°C 3 months
4°C 9 months

Benefits
• Medium boron phosphorus 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 standard borophosphosilicate glass very typical for semiconductor reflow 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.

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

Alternative Products
BPSG-839

Alternate Elements Are Available
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