Spin-on-Glass Ag-135

Elements of Interest
Si, O, Ag

Key Element atoms/cm³
Ag, 4E+21

Key Element % in Film
Silver

Viscosity, n (635nm)
0.9 cps, 1.4

Thickness
Coats 150 nm at 3000 rpm

Shelf Life
20°C 3 months
4°C 9 months

Benefits
• Previously unavailable Silver doping
• Uniform Coatings
• High purity materials
• 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 silicate silver doped glass for semiconductor 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 450°C or higher. 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.

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

Alternative Products
- Al-200
- Mg-210

Alternate Elements to Add
- Blends of two or more elements
- Other elements available for compound semiconductor use

Packaging
Spin-on-Glass Ag-135

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