

APEX™

Glass vs. Ceramic vs. Hybrid

APEX™ Glass

- Optically transparent
- Higher coefficient of thermal expansion than ceramic state
- Great temperature stability up to 450C
- More chemically inert than ceramic state
- Higher ductility than ceramic state

APEX Ceramic

- 8 times stronger than glass state
- Lower coefficient of thermal expansion than glass state
- High temperature stability, up to 550C
- 1000 times higher electrical resistivity than glass state

APEX Hybrid

- Utilize the best of both states
- Create different regions of varying coefficient of thermal expansions
- Create regions which are optically transparent surrounded by regions which prevent light scatter.
- Create regions of varying electrical resistance

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