

Product SOG Ti-140	Elements of Interest Ti, Si, O	Key Element percentage 52 wt % TiO ₂ in glass
Dielectric Constant and RI Dielectric Constant 40 RI (Calculated) 2.04	Viscosity 0.90 +/- 0.25 cps	Shelf Life 20°C 3 months 4°C 9 months

Benefits

- Excellent capacitor interlayer dielectric
- Uniform Coatings
- High index for matching optical inputs/outputs or cladding
- White coating for marking or dispersion
- UV absorbing for critical applications

Typical Application

Titanium glass blends are useful for their high dielectric constant and high dielectric strength. This combination is useful in making capacitors in many diverse applications. The higher index is useful for matching to many semiconductor light input or output devices. It can also be used depending on processing to give a white boundary.

Packaging

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

Alternative Products

Ti-452

Alternate Elements

- Yttrium, Zirconium, Hafnium or Niobium
- Blends of two or more elements also available
- Other elements available for compound semiconductor use

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