

<b>Product</b> SOG Ti-452	<b>Elements of Interest</b> Ti, O	<b>Key Element percentage</b> 100 wt % TiO <sub>2</sub> in glass
<b>Dielectric Constant and RI</b> Dielectric Constant 78 RI (Calculated) 2.5	<b>Viscosity</b> 0.90 +/- 0.25 cps	<b>Shelf Life</b> 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 oxide coatings 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-140

## 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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