

Product SOG Ti-452	Elements of Interest Ti, O	Key Element percentage 100 wt% TiO ₂ in glass
Dielectric Constant and RI Dielectric Constant 78 Refractive Index 2.5	Viscosity 0.90 +/- 0.25 cps	Shelf Life 20°C 3 months 4°C 9 months

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.

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

Packaging

240ml, 500ml, 1l, 4l
Packaging Standard.

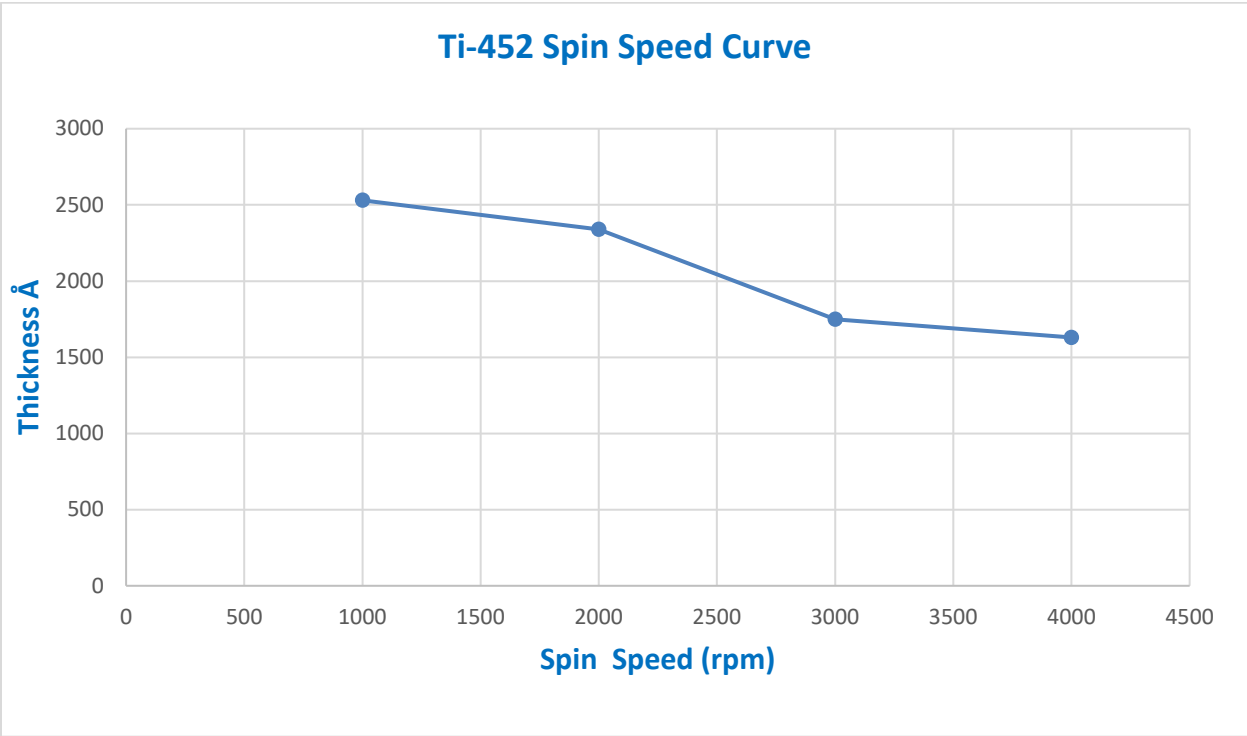
Alternative Products

Ti-140R

Alternative 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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