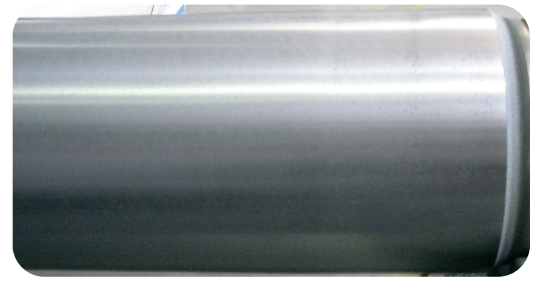


# Rotatable Magnetron Sputtering Targets



## High Purity Tantalum Metal

### KEY FEATURES

Saint-Gobain sputtering targets are produced using a proprietary process, which brings a unique set of features to the market. Our Ta Targets combine high-purity, continuous surface (no joints) up to 3.9 meters long (12.75 feet) and even in a customized Dog-Bone shape enabling the best material usage. The strong bond on the backing tubes (Stainless steel or Titanium) is Indium-free and allows safe operation down to the last mm of sputtering.

Purity	>99.95%
Target Thickness	Up to 12 mm
Thickness profile	Straight or Dog-bone (without joints)
Target maximum length	Up to 3.9 meters (12.75 feet)
Target density	14 ± 0.3 g/cm <sup>3</sup>
Oxygen Content	< 1200 ppm
Surface finish (Ra)	Polished (Ra < 3.2) or Raw (to custom. choice)

### APPLICATIONS

Our high purity Ta Targets are proven and qualified by various end-users for the most demanding applications such as:

- Advanced dielectric (Ta<sub>2</sub>O<sub>5</sub>) films in Optics, Optoelectronics, Integrated microtechnologies
- Electrochromic glazing stacks

### BENEFITS

- Very high purity
- Safe and Stable operation with reduced risk of micro-arcs
- Lower cost of ownership thanks to the customized “dog-bone” shape option

The information contained in this document is believed to be accurate and reliable but is presented without guarantee or warranty on the part of Saint-Gobain Ceramics and Plastics Inc. Nothing herein should be interpreted as an authorization or inducement to practice any patented invention without a license.

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