

# Ta

# TANTALUM

## SPUTTERING TARGET

Tantalum is classified as a transition metal on the Periodic Table and is considered to be one of the refractory metals which are highly resistant to corrosion. It is also used as a capacitor for electronics and may be alloyed with other metals to add strength and durability. Tantalum, along with its alloys and compounds, is evaporated under vacuum to make semiconductors, optical coatings, magnetic storage media, and wear and corrosion resistant coatings.

### Quick Facts

Product	: Tantalum Sputtering Target
Stock No	: NS6130-10-1071
CAS	: 7440-25-7
Backing Plate	: (As per Customer requirement)

### Application

- Used in laboratory equipment.
- Used as a substitute for platinum.
- Used in manufacturing superalloys and electron-beam melting.
- Used in metallurgical, machinery processing, glass, and ceramic industries.
- Used as a superalloy additive in nickel-based alloys.
- Used for sputtering targets in integrated circuits and Thin Film Transistor Liquid Crystal Display (TFT-LCD).

### Additional Characteristics

Stock No.	Purity	Diameter	Thickness
NS6130-10-1071	99.99%	50.8 mm $\pm$ 1mm	3 mm $\pm$ 0.5mm

### Technical Specification

Molecular Formula	Molecular Weight	Melting Point
Ta	180.95g/mol	3017°C



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20ZICE4589C



19ZAZGO1274G



20ZICE4588M

 High Purity  
 SPUTTERING  
 TARGET