



TECHNICAL DATASHEET

Platinum 8% Tungsten Fine Wire



Asia-Pacific Manufacturing

Committed to platinum excellence for over 70 years, Lighteum Medical has been the [standard in platinum manufacturing](#). Expanding our platinum tungsten wire expertise into our Australian manufacturing facility allows us to further meet the demands of the rapidly growing Asia-Pacific MedTech industry. Localized production benefits include:

- Reduced lead times from Australia facility compared to Eastern USA facility
- Reduced shipping costs to APAC region
- Optimized ordering quantities for typical MedTech industry volume (smaller than industry batch sizes)
- Platinum tungsten wire manufacturing serving global OEMs and contract manufacturers

Platinum Tungsten Wire Applications

Pt-8W wire has emerged as a vital component in the production of medical devices, particularly in applications such as [embolization coils](#) and [guidewire tip coils](#). This alloy combines the excellent biocompatibility and radiopacity of platinum with the high tensile strength and stiffness of tungsten. These unique properties make the alloy a reliable choice for critical medical procedures where coil durability, fluoroscopic visibility, and patient safety are paramount.

Commitment to Quality

Manned by an experience technical team, our Australian manufacturing facility employs advanced processes and meticulously maintained equipment to deliver platinum tungsten wire of uncompromising quality.

Lighteum Medical demonstrates its unwavering commitment to the MedTech industry by certifying its Australia facility to ISO 13485 standards, ensuring the highest quality and compliance in platinum tungsten wire production for advanced medical devices.

Pt-8W Wire Typical Properties¹

Alloy Composition	Platinum: 92% ± 1% Tungsten 8% ± 1%
Impurities	ASTM B561-94
Tensile Strength	Per customer spec.
Elongation %	Per customer spec.
Wire Diameter ²	≥ 22 µm

1. Testing in accordance with NATA.

