



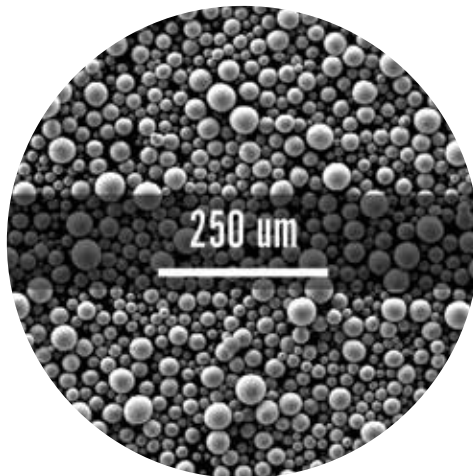
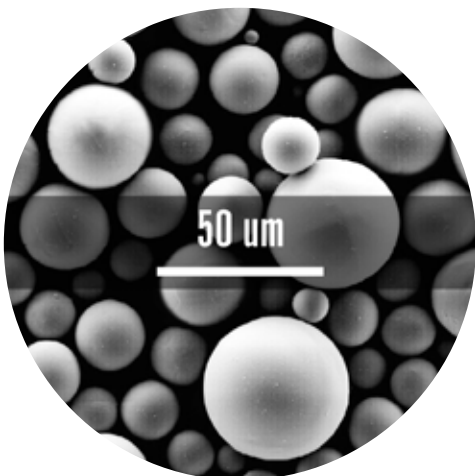
Ta -45

Spherical Tantalum Powder

KEY FEATURES

- ▶ High density
- ▶ Biocompatible properties
- ▶ High purity level
- ▶ High corrosion resistance
- ▶ Ultra low oxygen
- ▶ Highly spherical particles
- ▶ Excellent flowability
- ▶ High temperature resistance

Our unique plasma atomization process produces a highly spherical Tantalum powder, which combines high density, and both good electrical and thermal conductivity. Our spherical Tantalum powder is the material of choice for both electronic and additive manufacturing markets. It is also used in the medical implantable market due to its superior biocompatible properties. Our -45 +15 μ m Tantalum powder is compatible with the most demanding industrial markets.



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TYPICAL PROPERTIES

Product number: 26532

Particle Size Distribution

Size (μm) +45	Typical Results: < 3% Max: 5%
Size (μm) -45	Typical Results: > 97% Min: 95%
Laser scattering (Microtrac) D10	Typical Results: > 18 μm Min: 15 μm

Chemistry

Tantalum	> 99.9% (m.b.)
Oxygen	< 500ppm

Density

Tap Density	> 10 g/cm ³
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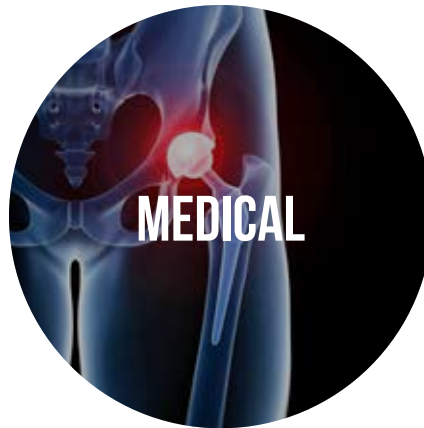
Morphology

Spherical Degree	Typical Results: > 99% Min: 99%
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INDUSTRIES



AEROSPACE



MEDICAL



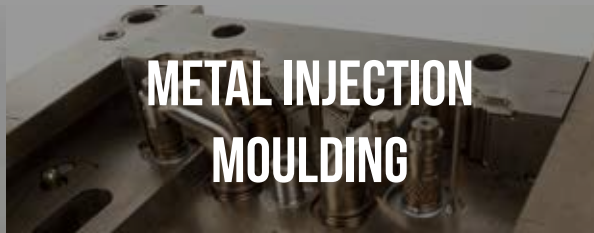
NUCLEAR

APPLICATIONS

ADDITIVE
MANUFACTURING



METAL INJECTION
MOULDING



THERMAL SPRAY



ABOUT TEKNA

Tekna is the world leader in induction plasma technology and manufacturing turnkey systems. With 25 years of industrial experience Tekna is able to offer the power of inductive plasma technology to manufacture high value materials in commercial quantities and to the highest quality standards.



MANUFACTURED BY TEKNA ADVANCED MATERIALS INC.
AN ISO 9001:2008 CERTIFIED COMPANY.

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