

ATLAS BALL & BEARING CO. LIMITED

MEDICAL GRADE TANTALUM BALL DATA SHEET

Attributes

Radio opaque, biocompatible and high density material for medical use.

Specification with equivalents

ASTM F 560 - 05
UNS R05400
ISO 13782

Chemical Analysis (%)

Ta	Remainder	Fe	0.01 max
Nb	0.1 max	Ti	0.01 max
W	0.05 max	H	0.0015 max
Mo	0.02 max	N	0.01 max
Si	0.005 max	C	0.01 max
Ni	0.01 max	O	0.03 max

Typical Uses/Applications

Markers in radiography and MRI scanning. Tantalum spheres allow radiographic location and orientation of implants.

Mechanical/Physical Properties

Tensile strength	300-1100 Mpa
Melting point	2996°C
Specific Gravity:	16.69 g/cm ³
Density:	0.603 lb/in ³
Magnetic properties:	Non magnetic

Whilst every care has been taken we cannot accept liability for any errors contained within this data sheet

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