ASTM F67 Titanium Sheet

- Standard: ASTM F67
- Material: pure titanium
- Grade: Grade1, Grade2, Grade3, Grade4
- Packaging: export-specific wooden box or according to customer requirements

ASTM F67 Titanium Sheet for Medical Applications

ASTM F67 titanium sheet is a titanium alloy material designed for medical use and is widely used in the manufacture of medical devices and surgical implants. The material exhibits high tensile strength, outstanding resistance to corrosion, and exceptional biocompatibility. In particular, its elastic modulus is similar to that of natural bone, which helps reduce the stress difference between the implant and human tissue, thus promoting better healing effect.

Mechanical Requirements (Annealed-sheet,strip,plate)

Grade	Tensile Strength, min		Yield Strength, 0.2% Offset,		Elongation in 2in.or 50mm min,%	Bend Test Mandrel Diameter	
	ksi	MPa	Min. Ksi(MPa)	Max. Ksi(MPa)		Under 0.070 In.(1.8mm) In Thickness	0.070 to 0.187 in.(1.8 to 4.75mm) In Thickness
1	35	240	25(170)	45(310)	24	3T	4T
2	50	345	40(275)	65(450)	20	4T	5T
3	65	450	55(380)	80(550)	18	4T	5T
4	80	550	70(483)	95(655)	15	5T	6T

Available Grades — Selecting the Right Strength Level

You can choose from four commercially pure titanium grades depending on your application requirements:

Grade 1

Lowest strength with maximum ductility — ideal for complex forming and precision shaping.

Grade 2

Balanced strength and formability — the most widely used medical titanium grade.

Grade 3

Higher strength with moderate formability — suited for structural implant components.

Grade 4

Highest strength among pure titanium — designed for load-bearing implants.

ASTM F67 titanium sheet specifications

Density	4.51g/cm3
Thickness	Usually between 0.2mm and 60mm, can be customized according to customer needs
Width	According to customer needs, usually between 400mm and 2000mm
Certification	ISO9001&EN9100
Surface treatment	Common surface treatments include pickling, sandblasting, and mechanical polishing. The particular surface treatment is determined by the specific application needs.
Application areas	Surgical and orthopedic implants: making implants such as fracture fixation plates and bone stents during surgery. Medical equipment: spinal fixation plate, skull plate, etc. Dental Implants: Used to make dental implants such as root implants and bridges.
Product inspection	Before shipping each batch of titanium plates, we will perform a series of rigorous inspection procedures including non-destructive testing, mechanical properties testing, and surface treatment quality inspection, and provide a test report issued by an authoritative third-party organization.

What quality standards do you follow?
Our products are manufactured strictly according to ASTM F67 standards, and the manufacturing process is fully controlled by ISO9001 and EN9100 quality management systems, ensuring full traceability from raw materials to finished products.

Do you support small batch or ASTM F67 titanium plate sample orders?
Yes. We support small batch production and sample orders, which are particularly suitable for medical research and development projects, sample verification, and initial testing phases.

If you have more needs, Baoji Zecheng Metal Materials Co., Ltd. can provide you with customized services to ensure that the professional requirements of various medical fields are met. Please feel free to contact us for more product information and service options.