ALLOYTI
Titanium mill products · Baoji, Shaanxi, China

Technical datasheet
Rev. 2026-11
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Titanium Plate & Sheet

ASTM B265 · AMS 4911 (Gr.5) · GB/T 3621

GRADES AND TYPICAL MECHANICAL PROPERTIES

Grade	Designation	Rm (MPa, min)	Rp0.2 (MPa, min)	A (%, min)
Gr.1	TA1	240	138	24
Gr.2	TA2	345	275	20
Gr.5	TC4 / Ti-6Al-4V	895	828	10
Gr.7	Ti-0.15Pd	345	275	20
Gr.9	Ti-3Al-2.5V	620	483	15

Values are ASTM minimums for annealed material at room temperature; density 4.51 g/cm³ (Gr.1–Gr.4), 4.43 g/cm³ (Gr.5).

SUPPLY FORMS AND SIZES

Thickness	0.5–4 mm cold rolled · 4–60 mm hot rolled
Width	≤ 2000 mm
Length	≤ 6000 mm
Cut to size	Shearing, waterjet, laser — to drawing

CONDITION AND FINISH

Annealed, pickled or bright annealed. Sandblasted and edge-machined on request.

INSPECTION AND DOCUMENTS

Mill certificate to EN 10204 3.1 per heat number; ultrasonic inspection (AMS 2631) on request.

TYPICAL APPLICATIONS

Pressure vessels and heat-exchanger tube sheets (Gr.2), aerospace structure (Gr.5), chemical linings and marine structures, reducing-acid service (Gr.7).

ORDERING

MOQ 50 kg for stock sizes, 500 kg for custom or non-standard items — both negotiable. Lead time about 20 days after deposit and drawing confirmation. FOB / CIF / EXW. Payment 30% T/T deposit, 70% before shipment or against a copy of the bill of lading.

This datasheet summarises typical properties for evaluation. Final grade, tolerances and testing are confirmed in the quotation and the order

confirmation.