

Material Name: **Titanium Grade 7** / UNS R52400 / 3.7235

Applicable Standards: ASTM B265 / ASTM B348 / ASTM B338

General Description

Titanium Grade 7 is a commercially pure titanium alloyed with a small amount of palladium, which significantly enhances its corrosion resistance, especially in reducing and acidic environments.

It is considered one of the most corrosion-resistant titanium grades available for chemical processing applications.

Chemical Composition (Typical, %)

C	O	N	H	Fe	Pd	Ti
≤ 0.08	≤ 0.25	≤ 0.03	≤ 0.015	≤ 0.30	0.12-0.25	Balance

Mechanical Properties (Typical, Annealed)

Tensile Strength	Yield Strength (0.2%)	Elongation
≥ 345 MPa	≥ 275 MPa	≥ 20%

Available Product Forms

- Sheets
- Bars & Wires
- Tubes & Fittings
- Flanges
- Fasteners