

DATA GRADE 2

Titanium Plate and sheet

Major specifications

ASTM B348 | ASTM F67 | ASTM B265 | ASME SB 265 | ISO 5832-2 | 3.7035 | UNS R50400

Key features

DAXUN produces and stocks commercially pure titanium plates Grade 2 (UNS R50400) in thicknesses ranging from 0.5mm to 120mm. Grade 2 Titanium Plate (UNS R50400) is the

Areas of application

Corrosion resistance in chemical and maritime industries, plate heat exchangers, reaction vessels, evaporators, condensers, elec-

CHARACTERISTIC

Chemical composition limits in %

(ASTM B265 + ASTM B348)

Ti	Rest
Fe	max. 0,30
O	max. 0,25
C	max. 0,08
N	max. 0,03
H	max. 0,015

Physical constants and thermal properties

Density	4,51 g/cm³
Melting point	1670°C
Beta transus temperature	920 ± 4°C
Thermal conductivity at 20°C	16 W/ m°C

Typical mechanical properties (room temperature)

ASTM B265	
Yield strength	min. 275, max. 450 MPa
Tensile strength	min. 345 MPa
Elongation	min. 20 %
ASTM B348	
Yield strength	min. 275 MPa
Tensile strength	min. 345 MPa
Elongation	min. 20 %

All information is subject to change without notice.

DAXUN is a metal expert focused on small and large titanium plate projects. DAXUN is your reference point and long-term partner, ready to provide you and your business with titanium plates and any technical assistance you may need. You can consider DAXUN not only as your supplier of industrial pure titanium plates and titanium alloy plates, but also as your strategic partner to help you meet any challenges and needs you may encounter, ultimately allowing you to achieve your project goals.

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