

TITANIUM GRADE 1 SHEET AND PLATE - ASTM B265

Titanium Grade 1 has the lowest strength and best formability of the commercially pure grades. In addition it has excellent corrosion resistance in highly oxidising and mildly reducing environments.

| Typical Applications | | Related Specifications | | | | |
|--|------------|------------------------|------------|-------------------|-----|-------|
| Desalination Plate Frame Heat Exchangers Dimensionally Stable Anodes Marine Equipment | | ASTM B265 | | | | |
| Chemical Composition (Wt %) | | | | | | |
| | | C | N | O | Fe | H |
| | Min | – | – | – | – | – |
| | Max | 0.08 | 0.03 | 0.18 | 0.2 | 0.015 |
| Typical Mechanical Properties | | | | | | |
| 0.2% Proof Stress | | Tensile Strength | Elongation | Reduction of area | | |
| | MPA | MPA | % | % | | |
| | Min | Min | | | | |
| | 170 | 240 | 24 | 30 | | |

* This data has been supplied in good faith and is indicative only. It has been provided for general information purposes only and is not to be relied upon in place of the full specification. Mechanical properties can vary considerably with different supply conditions such as heat treatment or temper and product dimensions.

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