

MATERIALS PROPERTY HANDBOOK- TITANIUM ALLOYS

Edited by
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The most comprehensive titanium data package ever assembled provides extensive information on applications, physical properties, corrosion, mechanical properties (including design allowables where available), fatigue, fracture properties, and elevated temperature properties. The appropriate specifications for each alloy are included.

The 60-plus data sheets supply not only extensive graphical and tabular information on properties, but the datasheets also describe or illustrate important factors which would aid in the selection of the proper alloy or heat treatment. The datasheets are further supplemented with background information on the metallurgy and fabrication characteristics of titanium alloys. An especially extensive coverage of properties, processing and metallurgy is provided in the datasheet for the workhorse of the titanium industry, Ti-6Al-4V. In many cases, key references are included for further information on a given subject.

Comprehensive datasheets provide extensive information on: Applications, Specifications, Corrosion, Mechanical Design Properties, Fatigue and Fracture Properties, Fabrication Characteristics, and Effects of Processing on Properties.

Contents

Preface	iii
Contributors and Reviewers	v
Summary Table of Titanium Alloys	vii
Alloy Data Sheet Contents	xiii
Technical Note Contents	xix
Abbreviations and Symbols	xxi
Section I: Physical Metallurgy of Titanium Alloys	
Introduction	3
Classification of Titanium Alloys	5
Physical Properties	12
Equilibrium Phases	23
Nonequilibrium Phases	34
Deformation	49
Aging	56
Titanium Alloys for Low-Temperature Service	68
Evolution of Conventional (Ingot Metallurgy)	
High-Temperature Titanium Alloys	76
Powder Metallurgy and Rapid-Solidification Processing	81
Rapid-Solidification Processing of Precipitate and	
Dispersion-Strengthened Titanium Alloys	87
Mechanical Properties	94
References	112
Section II: Titanium Data Sheets	
High-Purity Ti	125
Commercially Pure and Modified Ti	165
Section III: Alpha and Near-Alpha Alloys	
Ti-3Al-2.5V	263
Ti-5Al-2.5Sn	287
Ti-6Al-2Nb-1Ta-0.8 Mo(Ti-6211)	321
Ti-6Al-2Sn-4Zr-2Mo-0.1Si (Ti-6242) Si	337
Ti-8Al-1Mo-1V	337
Ti-11	409
TIMETAL(R) 1100	411
IMI 230	415
IMI 417	419
IMI 679	421
IMI 685	431
IMI 829	435
IMI 834	439
Ti-5Al-6Sn-2Zr-1Mo-0.1Si	445
Section IV: Alpha-Beta Alloys	
Ti-5Al-2Sn-2Zr-4Mo-4Cr (Ti-17)	453
Ti-6Al-2Sn-4Zr-6Mo (Ti-6246)	465
Ti-6Al-4V	483
Ti-6Al-6V-2Sn	637
Ti-7Al-4Mo	667

TIMETAL(R) 62S	679
Ti-4.5Al-3V-2Mo-2Fe (SP-700)	685
IMI 367	693
IMI 550	695
IMI 551	701
Corona 5	705
Ti-6-22-22-S	713
Ti-4Al-3Mo-1V	733
Ti-5Al-1.5Fe-1.4Cr-1.2Mo	735
Ti-5Al-2.5Fe	737
Ti-5Al-5Sn-2Zr-2Mo-0.25Si	747
Ti-6.4Al-1.2Fe (RMI Low-Cost Alloy)	751
Ti-2Fe-2Cr-2Mo	753
Ti-8Mn	755

Section V: Beta and Near-Beta Alloys

Ti-11.5Mo-6Zr-4.5Sn (Beta III)	767
Ti-8V-3Al-6Cr-4Mo-4Zr (Beta C)	797
Ti-10V-2Fe-3Al (Ti-10-2-3)	829
Ti-13V-11Cr-3Al	867
Ti-15V-3Al-3Cr-3Sn (Ti-15-3)	899
TIMETAL 21S	921
Beta CEZ(R)	931
Ti-8Mo-8V-2Fe-3Al	935
Ti-15Mo-5Zr	943
Ti-15Mo-5Zr-3Al	949
Ti-11.5V-2Al-2Sn-11Zr (Transage 129)	957
Ti-12V-2.5Al-2Sn-6Zr (Transage 134)	971
Ti-13V-2.7Al-7Sn-2Zr (Transage 175)	979
Ti-8V-5Fe-1Al	993
Ti-16V-2.5Al	999

Section VI: Advanced Materials

Titanium Aluminides	1009
Ti ₃ Al Alloys	1019
Gamma (Ti-Al) Alloys	1029
Ti-Ni Shape Memory Alloys	1035

Section VII: Technical Notes

Technical Note 1: Metallography and Microstructure	1051
Technical Note 2: Corrosion	1065
Technical Note 3: Casting	1079
Technical Note 4: Forging	1083
Technical Note 5: Forming	1093
Technical Note 5a: Superplastic Forming	1101
Technical Note 6: Heat Treating	1111
Technical Note 7: Machining	1119
Technical Note 8: Powder Metallurgy	1137
Technical Note 9: Surface Treatments	1145
Technical Note 10: Welding and Brazing	1159
Rolling	1167
Friction and Wear of Titanium Alloys	1169

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