

TITANIUM ENGINEERS, INC

Mechanical Properties ⁴

ALLOY	UNS NO.	Condition	Yield Strength (0.2%) (Ksi)	Tensile Strength (Ksi)	Elongation (%)	Reduction in Area (%)	Hardness	NACE MR0175 Listed
Grade 2	R50400	Anneal	40	50	20	30	100Rb Max	Yes
Grade 7	R52400	Anneal	40	50	20	25	98-102Rb	No
Grade 12	R53400	Anneal	50	70	18	25	92Rb Max	Yes
Grade 9 (3AL-2.5V)	R56320	Anneal	70	90	15	-	24-28Rc	No
Grade 5 (6AL-4V)	R56400	Anneal	120	130	10	20	28-34Rc	No
6AL-6V-2Sn	R56620	Anneal	135-160	147-170	8-12	15-30	28-36Rc	No
6AL-2Sn-4Zr-6Mo	R56260	Solution Treat & Age	135-165	145-175	6-20	10-35	45Rc Max	Yes
Grade 19 (Beta-C)	R58640	Solution Treat & Age	115-180	120-190	5-20	10-35	42Rc Max	Yes

⁴ Minimum Values

For more information Call us at 281-265-2910 or email us today!

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