

TITANIUM ENGINEERS, INC

Chemical Composition ¹ and Physical Properties.

ALLOY	UNS NO.	C	N	O	H	Fe	Al	V	Others	Density (Lbs/in ³)	Modulus 10 ⁶ psi	Coefficient Thermal Expansion ²	Electrical Resistivity ³
Grade 2	R50400	<0.08	<0.03	<0.25	<0.015	<0.3	-	-	-	.163	14.9	4.8	56
Grade 7	R52400	<0.1	<0.03	<0.25	<0.015	<0.3	-	-	0.2Pd	.163	14.9	4.8	56
Grade 12	R53400	<0.08	<0.03	<0.25	<0.015	<0.3	-	-	0.3Mo 0.8Ni	.164	15.0	5.3	52
Grade 9 (3AL-2.5V)	R56320	<0.08	<0.03	<0.15	<0.015	<0.25	3.0	2.5	-	.162	15.0	5.3	126
Grade 5 (6AL-4V)	R56400	<0.08	<0.05	<0.2	<0.015	<0.4	6.0	4.0	-	.160	16.5	5.0	171
6AL-6V-2Sn	R56620	<0.05	<0.04	<0.02	<0.015	0.65	6.0	6.0	2.0Sn 0.75Cu	.164	16.5	5.0	157
6AL-2Sn- 4Zr-6Mo	R56260	<0.04	<0.04	<0.15	<0.015	<0.15	6.0	-	2.0Sn 4.0Zr 6.0Mo	.168	16.5	4.1	NA
Grade 19 (Beta-C)	R58640	<0.05	<0.03	<0.12	<0.02	<0.3	3.0	8.0	4.0Zr 4.0Mo 6.0Cr	.174	15.5	5.4	157

¹Nominal Composition Wt, (%)

²10⁻⁶ in/in/ ° F 32-212

³@R.T. microhms cm.

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

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