

Common Titanium and Titanium alloy type and chemical compositions (GB/T 3620.1-2007)

Titanium alloy type				Chemical composition group	Main ingredient/%													Impurity, no more than/%							
					Ti	Al	Sn	Mo	V	Cr	Fe	Mn	Zr	Pd	Ni	Cu	Nb	Si	B	Fe	C	N	H	O	Other element
GB	GR	BT	TP																				unitary	total	
TA1ELI				Industrial pure titanium	margin	-	-	-	-	-	-	-	-	-	-	-	-	-	0.10	0.03	0.012	0.008	0.10	0.05	0.20
TA1	GR1	BT1-0	TP270	Industrial pure titanium	margin	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20	0.08	0.03	0.015	0.18	0.10	0.40
TA1-1	GR1	BT1-00		Industrial pure titanium	margin	≤0.20	-	-	-	-	-	-	-	-	-	-	≤0.08	-	0.15	0.05	0.03	0.003	0.12	-	0.10
TA2ELI				Industrial pure titanium	margin	-	-	-	-	-	-	-	-	-	-	-	-	-	0.20	0.05	0.03	0.008	0.10	0.05	0.20
TA2	GR2		TP340	Industrial pure titanium	margin	-	-	-	-	-	-	-	-	-	-	-	-	-	0.30	0.08	0.03	0.015	0.25	0.10	0.40
TA3ELI				Industrial pure titanium	margin	-	-	-	-	-	-	-	-	-	-	-	-	-	0.25	0.05	0.04	0.008	0.18	0.05	0.20
TA3	GR3		TP450	Industrial pure titanium	margin	-	-	-	-	-	-	-	-	-	-	-	-	-	0.30	0.08	0.05	0.015	0.35	0.10	0.40
TA4ELI				Industrial pure titanium	margin	-	-	-	-	-	-	-	-	-	-	-	-	-	0.30	0.05	0.05	0.008	0.25	0.05	0.20
TA4	GR4		TP550	Industrial pure titanium	margin	-	-	-	-	-	-	-	-	-	-	-	-	-	0.50	0.08	0.05	0.015	0.40	0.10	0.40
TC4ELI				Ti-6Al-4VELI	margin	5.5~6.5	-	-	3.5~4.4	-	-	-	-	-	-	-	-	-	0.25	0.08	0.030	0.012	0.13	0.10	0.30
TC4	GR5	BT6	TAP6400	Ti-6Al-4V	margin	5.5~6.75	-	-	3.5~4.5	-	-	-	-	-	-	-	-	-	0.30	0.08	0.05	0.015	0.20	0.10	0.40
TA9	GR7		TP340Pb	Ti-0.2Pd	margin	-	-	-	-	-	-	-	0.12~0.25	-	-	-	-	-	0.30	0.08	0.03	0.015	0.25	0.10	0.40
TA9-1	GR11			Ti-0.3Pd	margin	-	-	-	-	-	-	-	0.12~0.26	-	-	-	-	-	0.20	0.08	0.03	0.015	0.18	0.10	0.40
TA18	GR9	OT4-B	TAP3250	Ti-3Al-2.5V	margin	2.0~3.5	-	-	1.5~3.0	-	-	-	-	-	-	-	-	-	0.25	0.08	0.05	0.015	0.12	0.10	0.30
TA10	GR12			Ti-0.3Mo-0.8Ni	margin	-	-	0.2~0.4	-	-	-	-	-	0.6~0.9	-	-	-	-	0.30	0.08	0.03	0.015	0.25	0.10	0.40

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