

# TITANIUM

## Chemical Composition (%)

H	N	C	Fe	O	Ti
≦0.013	≦0.03	≦0.080	≦0.200	≦0.15	Rest

## Specification

\* The results of each item are reference values.

\* "-" in each item means that it cannot be measured or has not been measured.

TR270C-H	Thickness Tolerance mm		Hardness HV		Tensile Strength N/mm <sup>2</sup> (MPa)		Elongation %		Surface Roughness(Rz) μm		
	mm	Specification	Result	Specification	Result	Specification	Result	Specification	Result	Specification	Result
0.002	±0.0005	0.0022	-	-	-	-	-	-	-	-	-
0.003	±0.0005	0.0032	-	-	-	-	-	-	-	-	-
0.005	±0.0005	0.0053	-	-	-	-	-	-	-	-	-
0.006	±0.0006	0.0063	-	-	-	-	-	-	-	-	-
0.007	±0.0007	0.0075	-	-	-	-	-	-	-	-	-
0.008	±0.0008	0.0083	-	-	-	-	-	-	-	-	-
0.009	±0.0009	0.0095	-	-	-	-	-	-	-	-	-
0.010	±0.0010	0.0106	-	233	-	859	-	2.2	≦1.00	0.52	
0.015	±0.0015	0.0153	≧200	235	≧490	896	-	2.8	≦1.00	0.45	
0.020	±0.0020	0.0197	≧200	229	≧490	894	-	4.3	≦1.00	0.31	
0.030	±0.003	0.031	≧200	257	≧490	889	-	5.5	≦1.00	0.42	
0.040	±0.003	0.041	≧200	247	≧490	881	-	5.5	≦1.00	0.40	
0.050	±0.003	0.051	≧200	249	≧490	827	-	5.7	≦1.00	0.40	
0.060	±0.003	0.061	≧200	247	≧490	845	-	6.5	≦1.00	0.40	
0.070	±0.004	0.068	≧200	251	≧490	811	-	5.0	≦1.00	0.35	

0.080	±0.004	0.081	≧200	243	≧490	800	-	6.7	≧1.00	0.44
0.100	±0.005	0.101	≧200	222	≧490	776	-	7.7	≧1.00	0.33
0.150	±0.007	0.152	≧200	223	≧490	754	-	6.8	≧1.00	0.39
0.200	±0.010	0.198	≧200	218	≧490	681	-	4.0	≧1.00	0.36

TR270C-BA	Thickness Tolerance mm		Hardness HV		Tensile Strength N/mm <sup>2</sup> (MPa)		Elongation %		Erichsen Value mm	
	Specification	Result	Specification	Result	Specification	Result	Specification	Result	Specification	Result
0.020	±0.0020	0.0203	≧150	129	270-410	362	≧25.0	36.4	-	6.67
0.025	±0.003	0.027	≧150	133	270-410	360	≧25.0	35.1	-	8.3
0.030	±0.003	0.031	≧150	132	270-410	358	≧25.0	38.6	-	8.3
0.040	±0.003	0.041	≧150	140	270-410	377	≧25.0	41.3	-	8.4
0.050	±0.003	0.051	≧150	131	270-410	377	≧25.0	41.9	-	8.5
0.100	±0.005	0.101	≧150	128	270-410	343	≧25.0	48.3	-	-
0.200	±0.010	0.202	≧150	127	270-410	365	≧25.0	44.7	-	9.5