JIS H4600- Class 1 & 2 : 2007

Titanium and titanium alloys - Sheets, plates and strips

1. Classification,Finishing and Symbols

Classification	Finishing method	Symbol		Informative Characteristics and uses
		Sheets	Strips	
Class 1	Heat Working	TP270H	TR270H	Industrial Commercial Pure Titanium
	Cold Working	TP270C	TR270C	
Class 2	Heat Working	TP340H	TR340H	Industrial Commercial Pure Titanium
	Cold Working	TP340C	TR340C	

2. Chemical Composition

Classification	Chemical Component % (by mass)					
	N	C	H	Fe	O	Ti
Class 1	0.03 Max.	0.08 Max.	0.013 Max.	0.20 Max.	0.15 Max.	Remainder
Class 2	0.03 Max.	0.08 Max.	0.013 Max.	0.25 Max.	0.2 Max.	Remainder

3. Mechanical Properties

Classification	Tensile Test				Bending Test		
	Thickness mm	Tensile Strength Mpa	Yield Strength Mpa	Elongation %	Thickness mm	Bending Angle	Inside Radius
Class 1	0.2 or over up to and inclu.50	270～410	165 or over	27 or over	0.2 or over up to and under 0.5	-	-
					0.5 or over up to and under 5	180 degree	Twice the thickness
Class 2	0.2 or over up to and inclu.50	340～510	215 or over	23 or over	0.2 or over up to and under 0.5	-	-
					0.5 or over up to and under 5	180 degree	Twice the thickness