

1.4878

	%C	%Si	%Mn	%P	%S	%Cr	%Ni	%TI
X8CrNiTi18-10	-	-	-	-	-	17.0	9.00	5Xc
	≤0.10	≤1.00	≤2.00	≤0.045	≤0.015	19.0	12.00	0.80

STEEL PROPERTIES

1.4878 is an authentic stainless steel formulated for primary forming into wrought products. It has a very high 96% of alloy composition.

EQUIVALENT GRADES

EN 10088-3	1.4878	X15CrNiSi18-10
AISI	321	
AFNOR	X8CrNiTi18-10	
BS	321S12	
JIS	SUS321	
UNI	X8CrNiTi18-11	

APPLICATIONS

1.4878 is in seamless circular steel tubes for mechanical and general engineering purposes.

HEAT TREATMENT

1.4878 is offered in solution treated condition

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Mechanical properties at room temperature for 1.4878 as per EN 10095 in the usual delivery condition

Flat products with thickness a	Heat Treatment Condition	Hardness HB max.	0.2% Proof strength MPa. min.	Tensile Strength R _m MPa.	A % Min. Long Products
a ≤ 75	+AT	215	230	550 to 750	40

Physical properties of 1.4878 as per EN 10095

Density Kg/dm ²	Linear Expansion Coefficient 10 ⁻⁶ k ⁻¹ Between 20°C and (°C)					Thermal conductivity W/(m.K)		Specific Heat capacity kJ(kg.K)	Electrical resistivity Ωmm ² /m At 20°C	Magnetizability
	200°C	400°C	600°C	800°C	1000°C	20°C	500°C			
7.9	17.0	18.0	18.5	19.0	-	15	-	0.50	0.73	No