

Brand name | INCOLOY® Alloy A-286, Pyromet® Alloy A-286

Trade name | Alloy A-286

Standards

Material No.	EN Designation	AISI/SAE	UNS
1.4980	X6NiCrTiMoVB25-15-2	660	S66286
Alloy			
A-286			

Description | Alloy A-286 / 1.4980 is an iron-nickel-chromium alloy.

Special properties | Excellent heat resistance up to 700°C.

Chemical Composition

C %	Si ≤ %	Mn ≤ %	P ≤ %	S ≤ %
0.03-0.08	1.00	1.00-2.00	0.025	0.015
Cr %	Mo %	Ni %	V %	Ti ≤ %
13.5-16.0	1.00-1.50	24.0-27.0	0.10-0.50	1.90-2.30
B %				
0.003-0.010				

Mechanical Properties
20°C

0.2% Yield strength R_p ≥ N/mm ²	Tensile strength R_m N/mm ²	Elongation A_5 ≥ %	Resistant on air up to °C	Modulus of elasticity kN/mm ²
635	930-1180	12	820	200

Physical Properties 20°C

Density g/cm ³	Specific heat capacity J/kg K	Thermal conductivity W/m K	Electrical resistivity Ω mm ² /m
7.95	460	12	0.91

Application | Parts for gas turbines and transmissions

Available forms for 1.4980
/ AISI 660

Sheets/Plates	Bars	Wire	Forged / cast parts	Finished part (drawing)
				