



1.4841/AISI 314

CONFIDENTIAL

CHEMICAL COMPOSITION [% weight]

C	Si	Mn	P	S	Cr	Ni	N
0.20 max	1.50-2.50	2.00 max	0.045 max	0.015 max	24-26	19-22	0.10 max

CHARACTERISTICS AND AREAS OF APPLICATION

Stainless steel resistant to high temperatures up to 1125°C yet use at temperatures between 650°C and 850°C should be avoided. Used for oven parts, radiant tubes and other parts that must resist high temperatures or temperature fluctuations.

INDICATIVE MECHANICAL PROPERTIES

[ACCORDING TO EN10088-3 AT HARDENED STATE - ROOM TEMPERATURE]

Metallurgical condition	Rm [N/mm ²]	Rp 0.2 [N/mm ²]	A5 [%] min	Indic. hardness [HB] max
Annealed	550-950	230 min	20	323 max

WELDABILITY

This steel grade can be welded with no difficulty.

CORROSION RESISTANCE

Resistant to oxidation up to 1150°C, this guarantees resistance even in case of temperature changes.

HEAT TREATMENT

ANNEALING > 1040-1150°C/air

[*] The information on this sheet is of a general nature and reflects the contents of the technical regulations. For any specific request or clarification, please contact Eure inox Quality Department.