



1.4307/AISI 304L

CONFIDENTIAL

CHEMICAL COMPOSITION [% weight]

C	Si	Mn	P	S	Cr
0.03 max	1.00 max	1.50-20.00	0.025 max	0.10 max	18-19.5

CHARACTERISTICS AND AREAS OF APPLICATION

Austenitic stainless steel, hardenable by cold deformation. Resistant to intergranular corrosion (with proper solution treatment), good processing features in chip removal machinery. Used in the chemical, food, dairy, wine, textile and oil industries.

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
Annealed	500-830	175 min	30

WELDABILITY

This steel grade can be welded with no difficulty. Post-welding treatment is not necessary.

CORROSION RESISTANCE

In its solubilised state, it is resistant to corrosion against a wide variety of substances used in the chemical, textile, oil, dairy and food industries. Insensitive to intercrystalline corrosion.

HEAT TREATMENT

SOLUTION ANNEALING > 1040-1070°C / water

[*] 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.