



1.4122

CONFIDENTIAL

CHEMICAL COMPOSITION [% weight]

C	Si	Mn	P	S	Cr	Mo	Ni
0.33-0.45	1.00 max	1.50 max	0.040 max	0.030 max	15.5-17.5	0.8-1.30	1.00 max

CHARACTERISTICS AND AREAS OF APPLICATION

Martensitic steel, hardenable, offers superior corrosion resistance compared to chromium-only steel. Good resistance to erosion and wear.

Used for prestige cutlery, surgical instruments, valves for moderately aggressive liquids.

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	≤ 980	-	-	310
Quenched QT750	750-1000	550 min	10	-

CORROSION RESISTANCE

It resists most organic and mineral acids provided they are present in low concentrations.

HEAT TREATMENT

- ANNEALING** > 750-850°C/slow cooling
- HARDENING** > 980-1030°C/oil-air
- TEMPERING** > 600-750°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.