

C-276

(UNS N10276)

Availability:

Welded Pipe: 1/2" - 12"
Seamless Pipe: 1/2" - 4"
Butt-Weld Fittings: 1/2" - 12"
Flanges: 1/2" - 12"
Valves: 1/2" - 8"
Bar: 1" - 9"

Specifications:

ASTM B619, B366, B564,
B574
ASME SB619, SB366, SB564,
SB574

Description:

Alloy C-276 is an improved wrought version of Alloy C. It has the same excellent corrosion resistance with greatly improved fabricability. It can be hot-worked and cold-formed by conventional procedures. It can be joined by welding methods and resists the formation of grain boundary precipitates in the weld-affected zone. Thus, it is suitable for most chemical process applications in the as-welded conditions. It resists stress-corrosion cracking and is resistant to oxidation at temperatures up to 1900° F.

Typical Applications:

- Chemical processing
- Pollution control
- Pulp and paper
- Other severe environments and/or conditions

Tensile Requirements:

Tensile Strength Yield Strength
(KSI) = 110 (KSI) = 52.6

KSI can be converted to MPA (Megapascals) by multiplying by 6.895.

Chemical Composition %

C	Co	Cr	Fe	Mn	Mo	Ni	P	S	Si	V	W
MAX	MAX			MAX			MAX	MAX	MAX	MAX	
0.01	2.5	14.5 - 16.5	4.0 - 7.0	1.0	15.0 - 17.0	BAL	.04	.03	0.08	0.35	3.0 - 4.5

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