

ALLOY C276

Description

A nickel-molybdenum-chromium alloy with an addition of tungsten used in chemical processing, pollution control, waste treatment, and pulp and paper production. The carbon content in alloy C-276 minimizes the carbide precipitation during welding to keep corrosion resistance in as-welded structures. The high molybdenum content makes C-276 particularly resistant to pitting and crevice corrosion.

Forms in Stock

- Pipe
- Fittings
- Flanges

Specifications

UNS N10276

Welded Pipe	½"-12"	10s, 40s	ASTM/ASME 619c/2
Smls Pipe	½"-8"	10s, 40s, 80s, 160	ASTM/ASME 622
B/W Fittings	½"-12"	10s, 40s, 80s	ASTM/ASME 366
Flanges	½"-12"	150#, 300#	ASTM/ASME 564
Pressure Fittings	½"-2"	3000# THRD/SW	ASTM/ASME 564

Limiting Chemical Composition, %

Ni...Remainder	Co...2.5 max.	S....0.03 max.
Mo...15.0-17.0	Mn...1.0 max.	Si...0.08 max.
Cr...14.5-16.5	C....0.01 max.	
Fe...4.0-7.0	V....0.35 max.	
W....3.0-4.5	P....0.04 max.	