

Material Data Sheet



Alloy C276

Chemical Composition	Cr	Ni	Mo	Cu	Cb+Ta	W	V	C	Fe	Co	Mn	Si	P	S
% Values (minimum)	14.5		15	-		3	-	-	4	-	-	-	-	-
% Values (Maximum)	16.5	Bal	17			4.5	0.35	0.01	7	2.5	1	0.08	0.04	0.03

APPLICATION

Stack Liners
Ducts
Dampers
Scrubbers
Stack Gas Re-Heaters
Heat Exchangers
Reaction Vessels
Evaporators

DESCRIPTION

Alloy C276 is a solid-solution strengthened, nickel-molybdenum-chromium alloy with a small amount of tungsten, which exhibits excellent corrosion resistance in an assortment of harsh environments.

CORROSION RESISTANCE

Alloy C276 is known as the most universally corrosion resistant material available today. It is used in a variety of environments from moderately oxidizing to strong reducing conditions. Alloy C276 has excellent resistance to pitting, stress corrosion cracking and to oxidizing atmospheres up to 1038°C (1900°F). C276 also exhibits excellent resistance to corrosion by seawater especially under crevice conditions, which induce attack in other commonly used materials.



