

AVAILABILITY

Seamless Pipe 1/2"-12"
Butt-Weld Fittings 1/2"-12"
Flanges 1/2"-12"

SPECIFICATIONS

ASTM B221, B361, B247

CHEMICAL COMPOSITION %

Al	Cr	Cu	Fe	Mg	Si	Zn
			Max		Max	Max
Remainder	0.04-0.35	0.15-0.40	0.7	0.8-1.2	0.40-0.8	0.25

DESCRIPTION

Aluminum has been proven to be the economical choice for a wide variety of applications. Its cost effectiveness and lightweight characteristics make it a popular grade of material in petroleum and petrochemical industries. Aluminum also serves the food, beverage and drug industries. A cubic inch of Aluminum weighs about one-tenth of a pound. Its color is like that of silver. The "commercially" pure metal has a faintly bluish tinge. Its atomic weight is 26.98 pure. Aluminum melts at a temperature of 1220° F (or 660° C). The ability of aluminum to transmit heat rapidly and efficiently makes it an ideal material for heat transfer processes, cryogenic applications and similar uses. Its resistance to corrosion often results in longer service life and reduced maintenance.

DESIGN FEATURES

- One third the weight of most metals.
- Exceptional corrosion properties.
- Non-toxic; Maintains the color and purity of many products.
- Non-magnetic.
- Good conductivity and reflectability.
- Good workability and machinability

TYPICAL APPLICATIONS

General fluid transmission and process piping
Portable and temporary piping
Hydraulic pressure lines
Heat transfer and cryogenic processes
Structural
Ornamental and architectural

TENSILE REQUIREMENTS

Tensile Strength	Yield Strength
38,000 PSI	35,000 PSI