

**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