

317L

(UNS S31703)

Availability:

Weld Pipe: 1/2" - 12"
Seamless Pipe: 1/2" - 8"
Butt-Weld Fittings: 1/2" - 12"
Flanges: 1/2" - 12"
Bar: 1" - 8"

Specifications:

ASTM A312, A403, A182
ASME SA312, SA403, SA182

Description:

Alloy 317L is a molybdenum-bearing, austenitic chromium nickel steel similar to type 316, except the alloy content in 317L is somewhat higher. It has superior corrosion resistance in special applications where it is desired to reduce contamination to a minimum. 317L was developed primarily to more effectively resist the attack of sulfurous acid compounds. However, its proven ability to combat corrosion has widened its use for many other industrial applications.

Typical Applications:

- Flue gas desulfurization scrubber systems
- Chemical and petro-chemical processing
- Pulp and paper plants
- Food processing equipment
- Textile equipment

Tensile Requirements:

Tensile Strength Yield Strength
(KSI) = 75 (KSI) = 30

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

Chemical Composition %

C	Cr	Mn	Mo	Ni	P	S	SI
MAX		MAX			MAX	MAX	MAX
0.035	18.0 - 20.0	2.0	3.0 - 4.0	11.0 - 15.0	0.04	0.03	1.00