



HENAN SHENG HE PIPE INDUSTRY CO., LTD

WEB: WWW.SHPIPEINDUSTRY.COM

TEL/WHATSAPP: 0086 - 18837185745

Stainless Steel 316/316L/316H/316Ti

Henan Sheng He Pipe Industry Co., Ltd., have an experience spanning for over ten years, producing and supplying best-in-class products, minimize cost by getting manufacturing processes under one roof and delivering consignments on a daily basis only because of a diligent and dedicated team. We are manufacturers, suppliers and exporters of Stainless Steel 316/316L/316H/316Ti material.

UNS - S31600 / S31609 / S31603 / S31635

Characteristics

- Higher creep resistance
- Excellent formability.
- Rupture and tensile strength at high temperatures
- Corrosion and pitting resistance

Applications

- Food preparation equipment, especially in chloride environments
- Chemical processing, equipment
- Laboratory benches and equipment
- Rubber, plastics, pulp & paper machinery
- Pollution control equipment
- Boat fittings, valve and pump trim
- Heat exchangers
- Pharmaceutical and textile industries
- Condensers, evaporators and tanks

Sheng He Pipe Industry offers Stainless Steel 316/316L/316H/316Ti in a variety of forms, including:

- Pipe & Welded pipe
- Pipe fittings
- Seamless tube & Welded tube
- Flanges
- Bar
- Sheet
- Wire



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- Plate
- Forgings
- Weld Rod

ASTM Specifications

Pipe / Tube (SMLS)	Sheet / Plate	Bar	Forging	Fitting
A 213, A 249	A 167, A 240	A 276	A 182	A 403

Chemical Composition %

Grade	C	Si	P	S	Cr	Mn	Ni	Cu	Mo	Ti	Fe
SS 316	0.08 max	0.75 max	0.045 max	0.030 max	16.0 - 18.0	2.0 max	10.0 - 14.0	-	2.0 - 3.0	-	Remai nder
SS 316L	0.03 max	0.75 max	0.045 max	0.030 max	16.0 - 18.0	2.0 max	10.0 - 14.0	-	2.0 - 2.0	-	Remai nder
SS 316H	0.04 - 0.10	0.75 max	0.045 max	0.030 max	16.0 - 18.0	2.0 max	10.0 - 14.0	-	2.0 - 3.0	-	Remai nder
SS 316Ti	0.08 max	1.0 max	0.040 max	0.030 max	16.0 - 18.0	2.0 max	10.0 - 14.0	0.0 75 ma x	2.0 - 3.0	5 x (C+N) – 0.07	Remai nder



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Mechanical Properties

Grade	Tensile Strength (ksi)	0.2% Yield Strength (ksi)	Elongation% in 2 inches
316 / 316H / 316Ti	75	30	40
316L	70	25	40

Physical Properties

	Units	Temperature in °C
Specific Heat	0.12 Kcal/kg.C	22°
Melting Range	1371 - 1421 °C	-
Modulus of Elasticity	193 KN/mm ²	22°
Electrical Resistivity	74 μΩ.cm	Room
Coefficient of Expansion	16.0 μm/m °C	20 - 100°
Thermal Conductivity	16.2 W/m -°K	100°
Density	7.99 g/cm ³	Room