Email: vishal@solitaire-overseas.com
Phone: +91(22)-67439165
www.solitaire-overseas.com

ASME SA 210 TUBE SPECIFICATIONS

GENERAL CHARACTERISTICS

This specification covers minimum-wall-thickness, seamless medium-carbon steel, boiler tubes and boiler flues, including safe ends, arch and stay tubes, and super heater tubes. This type is not suitable for safe ending by forge welding. The tubing sizes and thicknesses usually furnished to this specification are 1/2 in. to 5 in. [12.7 to 127 mm] in outside diameter and 0.035 to 0.500 in. [0.9 to 12.7 mm], inclusive, in minimum wall thickness. ASTM SA 210 Tubes having other dimensions may be furnished, provided such tubes comply with all other requirements of this specification. Mechanical property requirements do not apply to tubing smaller than 1/8 in. [3.2 mm] in inside diameter or 0.015 in. [0.4 mm] in thickness.

MANUFACTURING:

Steelmaking Practice - The steel shall be killed. The tubes shall be made by the seamless process and shall be either hot-finished or cold-finished, as specified.

ASTM SA 210 CHEMICAL COMPOSITION FOR TUBE:

Designation		%C	%Mn	%S	%P	%Si
ASTM SA 210 Tube	Min	--	--	--	--	0.10
	Max	0.27	0.93	0.035	0.035	--

MECHANICAL PROPERTIES OF ASME SA 210 TUBE:

Mechanical properties	UTS ksi (MPa)	YS ksi (MPa)	%EL	Hardness (HRB)
ASME SA 210	415	255	30	≤ 79

HEAT TREATMENT:

Hot-finished tubes need not be heat treated. Cold-finished tubes shall be given a subcritical anneal, a full anneal, or a normalizing heat treatment after the final cold-finishing process.

For more details visit: ***ASME SA 210 Tube Supplier***

Related Searches:

asme sa 210 tube size chart

astm a210 pdf

asme sa 210

sa 210 tubes chemical composition

astm sa 210 tube price

sa 210 tube properties

sa210 tube specification