

ASTM A179 and ASME SA179 American Standard (Seamless Cold-draw Low-carbon Steel Pipe for Heat Exchanger and Condenser)

Standard:

ASTM A179/A179M/ASME SA179/SA179M

Application:

It is applied to steel pipe of pipe heat exchanger, condenser and similar heat transfer equipment.

Grades of Steel Pipe:

A179 and SA179, Other grades of steel pipe are provided based on negotiations.

Mechanical Properties

Standard	Grade	Tensile Strength (MPa)	Yield Strength (MPa)	Elongation (%)
ASTM A179/ASME SA179	A179/SA179	325	180	35

Chemical Composition

Standard	Grade	Chemical Composition Limits, %									
		C	Si	Mn	P	S	Cr	Mo	Cu	Ni	V
ASTM A179 ASME SA179	A179 SA179	0.06~ 0.18	/	0.27~ 0.63	0.035	0.035	/	/	/	/	/

Remarks

HR: hot rolled	CW: cold worked	SR: stress relieved
A: annealed	N: normalized	HF