

AISI 410, 410S Stainless Steel Sheet Plate

General Characteristics:

ASTM A240 type [410S sheet plate](#) is a ferritic stainless steel with higher Chromium content compared to 409 grade to impart better corrosion resistance

SS 410 Sheet Plate Mechanical Properties:

Mechanical properties	UTS (MPa)	YS (MPa)	%EL	Hardness
UNS S41008	415 min	205 min	22 min	89 HRB max

SS 410 Sheet Plate Chemical Properties:

Designation	%C	%Mn	%S	%P	%Si	%Ni	%Cr
UNS S41008	Min	--	--	--	--	--	11.5
	Max	0.08	1.00	0.030	0.040	1.00	0.60

410 Stainless Steel Sheet Plate Physical Properties:

Modulus of Elasticity (GPa)	Density (Kg/m ³)	Specific Heat (J/Kg°K)	Electrical resistivity (μΩm)	Thermal conductivity (W/m°C)	Co-efficient of Thermal Expansion (μm/m°C)
200	7700	460	600	25.9	10.3

Products available:

Hot Rolled Plates & Coil, Cold Rolled Coil & Sheets

Corrosion Resistance:

Due to its higher chromium concentration and better control over carbon content, 410S ferritic stainless steel performs better than 409M.

Applications:

Furnace parts and burners operating at lower temperatures, tray supports, bubbles caps and internals in petroleum fractionating towers.

For more details visit: [*Stainless Steel 410 Sheets Plate Stockist*](#)

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