

Penn Stainless Products, Inc. Stainless Steel Sheet Specifications

Penn Stainless Specification	Material Specification for Stainless Steel Sheet													
F840-8 Rev A	317/317L	321	347	405	410	410S	430	630	2205	Alloy 20	309	310		
ASTM A240/ ASME SA240	•	•	•	•	•	•	•	•						
ASTM693/ ASME SA693									•					
ASTM A 923 METHOD A,B & C														
UNS	S30400	S30409	S31600	S32100		S31008	S34700	S31703	S17400					
AMS SPEC	5513/5511		5524/5507	5510	5523	5521	5512		5604					
NACE MR 0103 & MR 0175	•	•	•	•	•	•	•	•	•					
Hardness test	According to ASTM A240													
Intermetallic phases A923	Detection according to ASTM A923- Duplex Only													
Tolerance- Length/Width/Flatness	According to ASTM 480- Aim for half of tolerance													
Corrosion Test: ASTM A262														
Marking: ASTM : Standard(s)- grade(s)- stamp(s) + heat and plate number	2 markings opposed diagonally on the plate by low stress stamp. All items must be in imperial units. All these elements indicated on packing list + quantity + number of packings.													
Confirmity to the Pressure Equipment Directive PED n° 97/23/EC	•	•	•	•	•	•	•	•	•	•	•	•	•	
Certificate according to EN 10204-3.1 with the year of EN10204 issue.	Where the spec rev/edition is not noted above, standard latest edition dates must be shown on certificates, treatment and quenching method indicated on certificates *Temperature & time of heat													
Certification: ISO 9001	Country of melt and manufacturer													
	Inspector/ Quality person's name and title typed and signature or cert													
	Free from radioactive contamination/ No Mercury Contamination/No Weld Repair													
	H Grade: Carbon must meet .04 min, Grain size must show on MTR													
	Fraud and Falsification statement must be on test report													
	Material must be supplied in unsensitized condition													
	Cobalt must be reported on material cert.													
	318/2205: Ferrite Number and ASTM A923 Method B charpy results must appear on test report.													

Approved Dawn M Devlin

Date: 3/1/2020