

Penn Stainless Products, Inc. Stainless Steel Coil Mill Plate Specifications

Penn Stainless Specification #	Material Specification for stainless steel plates for destination North America													Page 1/1	
	304	304L	304 304L	316 316L	321 321H	309 309S	347	347H	317L	17-4 PH	318/ 2205	410	2507		
F740-10 Rev A	•	•	•	•	•	•					•				
ASTM A240/ ASME SA240	•	•	•	•		•					•				
ASTM A312/ASME SA312	•	•	•	•		•					•				
ASTM A167						•									
QQ-S-766 D	•	•	•	•											
ASTM A666/ASME SA666	•	•	•	•											
ASTM E112						•									
ASTM A370	•	•	•	•							•				
ASTM A923											•				
AMS SPEC	5513	5511	5513/5511	5507/5524		5523									
ASTM A480/ASTM SA480	•	•	•	•		•					•				
UNS	30400	30403	30400/30403	1600/3160	S32100	S30900 /S30908	S34700	S31703	S17400	S31803 S32205	S41000	S32750			
Multiple Certified	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tensile test at 20° C (Hardness)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Tensile test at 20° C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Impact test at - 50° C	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
NACE MR 0103 & MR 0175	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Hardness test	According to ASTM A240														
Tolerance- Length/Width/Flatness	According to ASTM A 480- Aim for half of tolernace														
Corrosion Test: ASTM A262			E	E	E	E			E						
Marking: ASTM : <i>Standard(s)- grade(s)- stamp(s)</i> + heat and plate number	2 markings opposed diagonally on the plate by low stress stamp.														
	All items must be in U.S. Customary Units All these elements indicated on packing list + quantity + number of packings														
Confirmity to the Pressure Equipment Directive PED n° 97/23/EC			•	•	•	•	•	•	•	•	•	•	•	•	•
	Coils should not exceed 26,000 pounds unless special permission is given. Coils to have 24" ID														
	Coils to be continuously line marked with grade, gauge (inches), coild number, heat number and ASTM/ASME specifications.														
Certificate according to EN 10204-3.1 with the year of EN10204 issue.	Where the spec rev/edition is not notes above, standard latest edition dates must be shown on certificates														
Heat Treatment	Minimum solution anneal temp and quench method														
Certification: ISO 9001	Country of melt and Country of Manufacture														
Edge specified on P.O. as slit or Mill Edge	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														
	Charpy V-Notch Testing per A370 at minus 40F acceptance 40 ft-lbs.														
	Fraud and Falsification statement must be on test report														
	Material must be supplied in unsensitized condition														
	Cobalt must be report on material cert.														
	Compliance/Conformance Statement that material meets all requirements of purchase order and required specifications														
	Approved by: <i>Dawn M Devlin</i> Date: 3/1/2020														