

Penn Stainless Products, Inc. Stainless Steel Diamond Plate Specifications

Penn Stainless Specification #	Material Specification for stainless steel plates for destination North America											Page 1/1
F740-7 Rev A	304	304/304L	316/316L									
ASTM A480/ ASME SA480	•	•	•									
ASTM A793, PATTERN B	•	•	•									
ASTM A 923 METHOD A,B & C												
UNS	30400	30400/30403	31600/31603									
Min Carbon .040 wight %	•	•	•									
Min Chromium 18.00 weight %	•	•	•									
Exxon DSS1R06,Rev 5												
Multiple Certified												
Chemical Analysis	•	•	•									
UHA 51 Lateral Expansion												
Minimum Nitrogen Content												
Minimum PREN value												
* Heat treatment/ Pickling												
Ferrite 40%-60% results recorded												
Finish °1 acc. To ASTM A480												
Tensile test at 20° C (Hardness)												
Tensile test at 20° C												
Impact test at- 50° C												
NACE MR 0103 & MR 0175												
Hardness test												
Intermetallic phases A923												
Tolerance- Length/Width/Flatness	According to ASTM A 480- Aim for half of tolernace											
Corrosion Test: ASTM A262	E	E	E									
Marking: ASTM : grade(s)- stamp(s) + 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 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 notes above, standard latest edition dates must be shown on certificates											
Heat Treatment	Minimum solution anneal temp and quench method											
ROHS Directive 2002/95/EC	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											
	Fraud and Falsification statement must be on test report											
	Material must be supplied in unsensitized condition											
	Cobalt must be reported on test report											
	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