GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-240 S31060

Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate,Sheet and Srtip for Pressure Vessels and for General Applications

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-240 S31060 Chromium and Chromium-Nickel Stainless Steel Plate,Sheet and Srtip for Pressure Vessels and for General Applications

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition		
Carbon	C %	0.050 - 0.100
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Silicon	Si %	0.500 max.
Chromium	Cr %	22.000 - 24.000
Nickel	Ni %	10.000 - 12.500
Nitrogen	N %	0.180 - 0.250
Ce + La	Ce%+La%	0.025 - 0.070
Boron	B %	0.001 - 0.010
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	600 min.
Yield Strength in Mpa	280 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in BHN	217 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
J92802	UNS	USA	Steel
J92805	UNS	USA	Steel
SA-213 Grade S31060	ASME	USA	Steel and Tubing
SA-451 CPE20N	ASME	USA	Steel and Pipe
A 240 S31060	ASTM	USA	Plate, Sheet and Strip
A 451 Grade CPE20N	ASTM	USA	Steel and Pipe
A 213 S31060	ASTM	USA	Steel and Tubing

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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