

Material: ASME SA-995 Grade 2A

Austenitic-Ferritic (Duplex) Stainless Steel Castings for Pressure-Containing Parts

Group: Ferrous Stainless Steel Alloys

Sub Group: SA-995 Austenitic-Ferritic (Duplex) Stainless Steel Castings for Pressure-Containing Parts

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.080 max.
Silicon	Si %	1.500 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Chromium	Cr %	22.500 - 25.500
Nickel	Ni %	8.000 - 11.000
Molybdenum	Mo %	3.000 - 4.500
Nitrogen	N %	0.100 - 0.300
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Solution Annealing	

Mechanical Properties	
Tensile Strength in Mpa	655 min.
Yield Strength in Mpa	450 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J93345	UNS	USA	Casting
A995 2A	ASTM	USA	Casting
A890 2A	ASTM	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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