GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-995 Grade 1B

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

Group - Ferrous Stainless Steel Alloys

Sub Group - ASME SA-995 Grade 1B Castings, Austenitic-Ferritic (Duplex) Stainless Steel, for Pressure-Containing Parts

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

Grade Belongs to the Industry - Castings

Chemical Composition		
Carbon	C %	0.040 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.040 max.
Silicon	Si %	1.000 max.
Chromium	Cr %	24.500 - 26.500
Nickel	Ni %	4.700 - 6.000
Molybdenum	Mo %	1.700 - 2.300
Copper	Cu %	2.700 - 3.300
Nitrogen	N %	0.100 - 0.250
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	690 min.
Yield Strength in Mpa	485 min.
Elongation in %	16 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
J93370	UNS	USA	Steel and Casting
SA-351 CD4MCu	ASME	USA	Steel
3100 332 C 13	B.S.	United Kingdom	Steel and Casting
A 351 Grade CD4MCu	ASTM	USA	Steel and Casting
A 743 Grade CD-4MCu	ASTM	USA	Steel and Casting
A 744 Grade CD-4MCu	ASTM	USA	Steel and Casting
A 890 Grade 1A	ASTM	USA	Steel and Casting

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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.