



Material - UNS J93379

Standard Specification for Castings, Austenitic, for Pressure-Containing Parts

Group - Ferrous Stainless Steel Alloys

Sub Group - UNS Castings, Austenitic, for Pressure-Containing Parts

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 - 3.000		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	26.000 - 28.000		
Nickel	Ni %	6.000 - 8.000		
Molybdenum	Mo %	2.000 - 3.500		
Copper	Cu %	1.000 max.		
Tungsten	W %	3.000 - 4.000		
Nitrogen	N %	0.300 - 0.400	Mechanical Properties	
Boron	Bo %	0.0010 - 0.0100	Tensile Strength in Mpa	690 min.
Barium	Ba %	0.0002 - 0.0100	Yield Strength in Mpa	515 min.
Ce + La	Ce % + La %	0.005 - 0.030	Elongation in %	20 min.
Iron	Fe %	Balance	Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A995 7A	ASTM	USA	Casting
A890 7A	ASTM	USA	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

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