

Material: ASTM A990 CW2MC

Standard Specification for Castings, Iron-Nickel-Chromium and Nickel Alloys, Specially Controlled for Pressure Retaining Parts for Corrosive Service

Group: Non Ferrous Nickel Alloys

Sub Group: ASTM A990 CW2MC Iron-Nickel-Chromium and Nickel Alloys, Specially Controlled for Pressure Retaining Parts for Corrosive Service

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.020 max.	Solution Annealing	
Silicon	Si %	0.450 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.015 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	20.000 - 23.000		
Copper	Cu %	0.500 max.		
Molybdenum	Mo %	8.000 - 10.000		
Tungsten	W %	0.500 max.		
Vanadium	V %	0.200 max.		
Niobium	Nb %	3.100 - 4.500	Mechanical Properties	
Iron	Fe %	5.000 max.		
Nickel	Ni %	Balance		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	485 min.
			Yield Strength in Mpa	275 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
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Customer Care: +91-99090 45075 Email: info@icastllp.com