

Material: ASME SA-217 Grade WC11

Standard Specification for Martensitic Stainless Steel and Alloy Steel Castings for Pressure Containing Parts Suitable for High Temperature Service

Group: Ferrous Mild Steel Alloys

Sub Group: ASME SA-217 Grade WC11 Martensitic Stainless Steel and Alloy Steel Castings for Pressure Containing Parts Suitable for High Temperature Service

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 - 0.210	Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	0.300 - 0.600		
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	1.000 - 1.500		
Molybdenum	Mo %	0.450 - 0.650		
Nickel	Ni %	0.500 max.		
Vanadium	V %	0.030 max.		
Aluminium	Al %	0.010 max.		
Copper	Cu %	0.350 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	550 - 725
			Yield Strength in Mpa	345 min.
			Elongation in %	18 min.
			Reduction of Area in %	45 min.
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J11872	UNS	USA	Casting
A217 Grade WC11	ASTM	USA	Casting
G 17 CrMo 5-5	AFNOR NF	France	Casting
A426 Grade CP11	ASTM	USA	Steel
621	BS	British	Plate
G S 17 CrMo 5-5	DIN	Germany	Casting
G 17 CrMo 5-5	EN	European Union	Casting

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com