Material: ASME SA 216 Grade WCC

Standard Specification for Carbon Steel Castings Suitable for Fusion for High Temperature Service

Group: *Ferrous Mild Steel Alloys*
Sub Group: *ASME SA 216 Grade WCC Carbon Steel Castings Suitable for Fusion for High Temperature Service*
Application: *Intended for Valve, Pump, General Engineering, Automotive and Other Industries*
Grade Belongs to the Industry: *Casting*

Chemical Composition		
Carbon	C %	0.250 max.
Silicon	Si %	0.600 max.
Manganese	Mn %	1.200 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.045 max.
Chromium	Cr %	0.500 max.
Nickel	Ni %	0.500 max.
Molybdenum	Mo %	0.200 max.
Vanadium	V %	0.030 max.
Copper	Cu %	0.500 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	485- 655
Yield Strength in Mpa	275 min.
Elongation in %	22 min.
Reduction of Area in %	35 min.
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
A660 WCA	ASTM	USA	Fusion Welding, Bending and Forming
SA 660 WCC	ASME	USA	Centrifugal Casting
J02503	UNS	USA	Casting
1.0619	EN	European Union	Casting
1.0619	DIN	Germany	Casting
A216 WCB	ASTM	USA	Casting
A216 WCC	ASTM	USA	Casting

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