



Material - ASTM A660 Grade WCA

Standard Specification for Centrifugally Cast Carbon Steel Pipe for High-Temperature Service

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A660 Grade WCA Centrifugally Cast Carbon Steel Pipe for High-Temperature Service

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

Grade Belongs to the Industry - Fusion Welding, Bending and Forming

Chemical Composition			Heat Treatment	
Carbon	C %	0.250 max.	Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.700 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.035 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	415 min.
			Yield Strength in Mpa	210 min.
			Elongation in %	24 min.
			Reduction of Area in %	35 min.
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA 216 WCA	ASME	USA	Casting
J02502	UNS	USA	Casting
1.0619	DIN	Germany	Casting
1.0619	EN	European Union	Casting
SA 216 WCB	ASME	USA	Casting
SA 216 WCB	ASME	USA	Casting
A216 WCA	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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