

Material - ASTM A426 Grade CP11

Standard Specification for Centrifugally Cast Ferritic Alloy Steel Pipe for High Temperature Service

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A 426 Grade CP11 Centrifugally Cast Ferritic Alloy Steel Pipe for High Temperature Service

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

Grade Belongs to the Industry - Steel

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 - 0.200	Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.300 - 0.800		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.025 max.		
Chromium	Cr %	1.000 - 1.500		
Molybdenum	Mo %	0.440 - 0.650		
Nickel	Ni %	0.500 max.		
Tungsten	W %	0.100 max.	Mechanical Properties	
Copper	Cu %	0.500 max.	Tensile Strength in Mpa	485 min.
Iron	Fe %	Balance	Yield Strength in Mpa	275 min.
-	-	-	Elongation in %	20 min.
-	-	-	Reduction of Area in %	35 min.
-	-	-	Hardness in HB	201 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA-217 Grade WC6	ASME	USA	Casting
G 17 CrMo 5-5	AFNOR NF	France	Casting
J12072	UNS	USA	Casting
621	BS	British	Plate
G S 17 CrMo 5-5	DIN	Germany	Casting
G 17 CrMo 5-5	EN	European Union	Casting
A217 Grade WC6	ASTM	USA	Casting

For any further inquiries, please do not hesitate to contact us. You may visit our website at

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