

Material - ASTM A426 Grade CP9

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

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A426 Grade CP9 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 - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.200 max.	Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	0.250 - 1.000		
Manganese	Mn %	0.300 - 0.650		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.250 max.		
Chromium	Cr %	8.000 - 10.000		
Molybdenum	Mo %	0.9000 - 1.200		
Nickel	Ni %	0.500 max.	Mechanical Properties Tensile Strength in Mpa 620 min. Yield Strength in Mpa 415 min. Elongation in % 18 min. Reduction of Area in % 35 min. Hardness in HB 225 max. Impact in Joule -	
Tungsten	W %	0.100 max.		
Copper	Cu %	0.500 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA-217 Grade C12	ASME	USA	Casting
J82090	UNS	USA	Casting
G X 12 CrMo 10-1	DIN	Germany	Casting
1.7389	DIN	Germany	Casting
A217 Grade C12	ASTM	USA	Casting
A217 Grade C12A	ASTM	USA	Casting
A217 J84090	ASTM	USA	Casting

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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