



## 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.																
Copper	Cu %	0.500 max.																
Iron	Fe %	Balance	<table border="1"> <thead> <tr> <th colspan="2">Mechanical Properties</th> </tr> </thead> <tbody> <tr> <td>Tensile Strength in Mpa</td> <td>485 min.</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>275 min.</td> </tr> <tr> <td>Elongation in %</td> <td>20 min.</td> </tr> <tr> <td>Reduction of Area in %</td> <td>35 min.</td> </tr> <tr> <td>Hardness in HB</td> <td>201 max.</td> </tr> <tr> <td>Impact in Joule</td> <td>-</td> </tr> </tbody> </table>		Mechanical Properties		Tensile Strength in Mpa	485 min.	Yield Strength in Mpa	275 min.	Elongation in %	20 min.	Reduction of Area in %	35 min.	Hardness in HB	201 max.	Impact in Joule	-
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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

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.