GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A369 Grade FP2

Standard Specification for Carbon and Ferritic Alloy Steel Forged and Bored Pipe for High-Temperature Service

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A369 Grade FP2 Carbon and Ferritic Alloy Steel Forged and Bored Pipe for High-Temperature Service

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

Grade Belongs to the Industry - Pipe and Forging

Chemical Composition		
Carbon	C %	0.100 - 0.200
Manganese	Mn %	0.300 - 0.610
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Silicon	Si %	0.100 - 0.300
Chromium	Cr %	0.500 - 0.810
Molybdenum	Mo %	0.440 - 0.650
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Normalizing or Normalizing & Tempering

Mechanical Properties	
Tensile Strength in Mpa	380 min.
Yield Strength in Mpa	210 min.
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
K11547	UNS	USA	Steel
K12143	UNS	USA	Steel
SA-369 FP2	ASME	USA	Pipe and Forging
A 387 Grade 2	ASTM	USA	Steel and Plates
A 335 Grade P2	ASTM	USA	Steel and Pipe
A 213 Grade T2	ASTM	USA	Tubing
17 CrMo 3-5	DIN	Germany	Steel

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email 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.