GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A106 Grade C

Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A106 Grade C Seamless Carbon Steel Pipe for High-Temperature Service

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

Grade Belongs to the Industry - Pipe

Chemical Composition		
Carbon	C %	0.350 max.
Manganese	Mn %	0.290 - 1.060
Phosphorus	P %	0.035 max.
Sulphur	S %	0.035 max.
Silicon	Si %	0.100 min.
Chromium	Cr %	0.400 max.
Copper	Cu %	0.400 max.
Molybdenum	Mo %	0.150 max.
Nickel	Ni %	0.400 max.
Vanadium	V %	0.080 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Stress Relieved

Mechanical Properties	
Tensile Strength in Mpa	485 min.
Yield Strength in Mpa	275 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**
A 106 Grade B	ASTM	USA	Pipe
A 520 A106 Grade A	ASTM	USA	Steel
1594 A1016	AS	Australia	Steel
1594 XA1010	AS	Australia	Steel
84023/06 St 3 SX-b	PN	Poland	Steel
6280 37 D	MSZ	Hungary	Steel
G 7821 200-400 W	JIS	Japan	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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