GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-334 Grade 6

Standard Specification for Seamless and Welded Carbon and Alloy-Steel Tubes for Low-Temperature Service

Group - Ferrous Mild Steel Alloys

Sub Group - ASME SA-334 Grade 6 Seamless and Welded Carbon and Alloy-Steel Tubes for Low-Temperature Service

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

Grade Belongs to the Industry - Tubing

Chemical Composition		
Carbon	C %	0.300 max.
Manganese	Mn %	0.290 - 1.060
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Silicon	Si %	0.100 min.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing & Tempering or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	415 min.
Yield Strength in Mpa	240 min.
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in BHN	190 max.
Impact in Joule	18 @ -45°C

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
K03006	UNS	USA	Steel
A 333 Grade 6	ASTM	USA	Steel and Pipe
A 334 Grade 6	ASTM	USA	Steel and Tubing
A 420 Grade WPL 6	ASTM	USA	Steel and Pipe
A 234 Grade WPB	ASTM	USA	Steel
A 369 Grade FPB	ASTM	USA	Steel and Pipe
SA-334 Grade 6	ASME	USA	Steel and Pipe

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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