GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASME SA-334 Grade 7

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 7 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 %	0.190 max.
Manganese	Mn %	0.900 max.
Phosphorus	P %	0.025 max.
Sulphur	S %	0.025 max.
Silicon	Si %	0.130 - 0.320
Nickel	Ni %	2.030 - 2.570
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing & Tempering or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	450 min.
Yield Strength in Mpa	240 min.
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in BHN	190 max.
Impact in Joule	18 @ -75°C

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
K21703	UNS	USA	Steel
K21903	UNS	USA	Steel
G 3127 SL2 N255	JIS	Japan	Steel and Plates
G 3127 SL2N26	JIS	Japan	Steel and Plates
1.5635	DIN	Germany	Steel
A 333 Grade 7	ASTM	USA	Steel and Pipe
SA-333 Grade 7	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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