GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A179

Standard Specification for Seamless Cold-Drawn Low-Carbon Steel Heat-Exchanger and Condenser Tubes

Group - Ferrous Mild Steel Alloys
Sub Group - ASTM A179 Seamless Cold-Drawn Low-Carbon Steel Heat-Exchanger and Condenser Tubes
Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries
Grade Belongs to the Industry - Tubing

Chemical Composition		
Carbon	C %	0.060 - 0.180
Manganese	Mn %	0.270 - 0.630
Phosphorus	P %	0.035 max.
Sulphur	S %	0.035 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Stress Relieved

Mechanical Properties	
Tensile Strength in Mpa	325 min.
Yield Strength in Mpa	180 min.
Elongation in %	35 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**
K01200	UNS	USA	Steel
A 178 Grade A	ASTM	USA	Tubing
A 192	ASTM	USA	Tubing
G 3461 STB 35	JIS	Japan	Tubing
17175 1.0305	DIN	Germany	Steel
17175 St 35.8	DIN	Germany	Steel
SA-179	ASME	USA	Tubing

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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