GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A510 1085

Standard Specification for General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel

Group - Ferrous Mild Steel Alloys
Sub Group - ASTM A510 1085 General Requirements for Wire Rods and Coarse Round Wire, Carbon Steel
Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries
Grade Belongs to the Industry - Wire Rods and Coarse Round Wire

Chemical Composition		
Carbon	C %	0.800 - 0.930
Manganese	Mn %	0.700 - 1.000
Phosphorus	P %	0.040 max.
Sulphur	S %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Annealing or Normalizing or Hardening and Tempering

Mechanical Properties	
Tensile Strength in Mpa	-
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HRC	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
G10850	UNS	USA	Shapes, Plates, Strip, Sheets and Tubing
J 1397 1085	SAE	USA	Steel and bars
SAE J 403 1085	AISI	USA	Shapes, Plates, Strip, Sheets and Tubing
90 Mn 4	DIN	Germany	Steel
1.1273	DIN	Germany	Steel
A 568 Grade 1085	ASTM	USA	Steel
A 682 Grade 1085	ASTM	USA	Steel and Strip

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.