GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE 1055

Standard Specification for Steel Castings for General Engineering Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - SAE 1055 Steel Castings for General Engineering Purposes

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	0.500 - 0.600
Manganese	Mn %	0.600 - 0.900
Phosphorus	P %	0.030 max.
Sulphur	S %	0.035 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	650 - 660
Yield Strength in Mpa	360 min.
Elongation in %	10 min.
Reduction of Area in %	30 - 40
Hardness in BHN	192 - 197
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
AW3	BS	British	Casting
1055	AISI	USA	Casting
A 1040 1055	ASTM	USA	Casting
A 29 1055	ASTM	USA	Casting
A 510 1055	ASTM	USA	Casting
A 576 10L55	ASTM	USA	Bar
A 682 G10550	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