GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A436 Type 1b

Standard Specification for Austenitic Gray Iron Castings

Group - Ferrous Gray Iron Alloys

Sub Group - ASTM A436 Type 1b Austenitic Gray Iron Castings

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	3.000 max.
Silicon	Si %	1.000 - 2.800
Manganese	Mn %	0.500 - 1.500
Nickel	Ni %	13.500 - 17.500
Copper	Cu %	5.500 - 7.500
Chromium	Cr %	2.500 - 3.500
Sulphur	S %	0.120 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	207 min.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	212 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
F41001	UNS	USA	Casting
G 5510 FCA-NiCuCr 15 6 3	JIS	Japan	Casting
1694 GGL-NiCuCr 15 6 3	DIN	Germany	Casting
1694 0.6656	DIN	Germany	Casting
1694 0.6655	DIN	Germany	Casting
AMS 5392	SAE	USA	Casting
32-301 FGL Ni15 Cu6 Cr2	AFNOR NF	France	Casting

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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