GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A436 Type 6

Standard Specification for Austenitic Gray Iron Castings

Group - Ferrous Gray Iron Alloys

Sub Group - ASTM A436 Type 6 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 %	1.500 - 2.500
Manganese	Mn %	0.500 - 1.500
Nickel	Ni %	18.000 - 22.000
Copper	Cu %	3.500 - 5.500
Chromium	Cr %	1.000 - 2.000
Sulphur	S %	0.120 max.
Molybdenum	Mo %	1.000 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	172 min.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	174 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
F41007	UNS	USA	Casting
F41002	UNS	USA	Casting
G 5510 FCA-NiCr 20 2	JIS	Japan	Casting
1694 GGL-NiCr 20 2	DIN	Germany	Casting
1694 0.6660	DIN	Germany	Casting
1694 0.7659	DIN	Germany	Casting
1694 GGG-NiCrNb	DIN	Germany	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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