GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 2749 Grade AFG Ni 35

Standard Specification for Austenitic Iron Castings

Group - Ferrous Austenitic SG Iron

Sub Group - IS 2749 Grade AFG Ni 35 Austenitic Iron Castings

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

Grade Belongs to the Industry - Casting

Chemical Composition		
Carbon	C %	2.400 max.
Silicon	Si %	1.000 - 2.000
Manganese	Mn %	0.500 - 1.500
Nickel	Ni %	34.000 - 36.000
Chromium	Cr %	0.200 max.
Copper	Cu %	0.500 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	120 min.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HB	140 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
NF A 32-301 FGL Ni35	AFNOR NF	France	Casting
NF A 32-301 FGS Ni35	AFNOR NF	France	Casting
F41006	UNS	USA	Casting
A 436 Type 5	ASTM	USA	Casting
G 5510 FCA-Ni 35	JIS	Japan	Casting
1694 GGG-Ni 35	DIN	Germany	Casting
1694 0.7683	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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