



## Material - Gravity MP35N

### Standard Specification for Cobalt-Based alloy, Sheet

Group - Non-Ferrous Cobalt Alloys

Sub Group - Gravity MP35N Cobalt-Based alloy, Sheet

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

Grade Belongs to the Industry - Sheet

Chemical Composition			Heat Treatment	
Carbon	C %	0.025 max.	As-Cast or Annealing	
Chromium	Cr %	19.000 - 21.000		
Molybdenum	Mo %	9.000 - 10.500		
Nickel	Ni %	33.000 - 37.000		
Iron	Fe %	1.000 max.		
Silicon	Si %	0.150 max.		
Manganese	Mn %	0.150 max.		
Phosphorus	P %	0.015 max.		
Sulphur	S %	0.010 max.		
Titanium	Ti %	1.000 max.		
Boron	B %	0.015 max.	<b>Mechanical Properties</b> Tensile Strength in Mpa      792 - 2200 Yield Strength in Mpa      276 - 1861 Elongation in %              3 - 70 Reduction of Area in %      70 min. Hardness in HRB              43 min. Impact in Joule                -	
Cobalt	Co %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
F688 R30035	ASTM	USA	Plate and Sheet
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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