

Material - ASTM F961 R30035

Standard Specification for 35Cobalt-35Nickel-20Chromium-10Molybdenum Alloy Forgings for Surgical Implants

Group - Non-Ferrous Cobalt Alloys

Sub Group - ASTM F961 R30035 35Cobalt-35Nickel-20Chromium-10Molybdenum Alloy Forgings for Surgical Implants

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

Grade Belongs to the Industry - Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.025 max.	As-Cast or Annealing	
Silicon	Si %	0.150 max.		
Manganese	Mn %	0.150 max.		
Chromium	Cr %	19.000 - 21.000		
Phosphorus	P %	0.015 max.		
Sulphur	S %	0.010 max.		
Molybdenum	Mo %	9.000 - 10.500		
Iron	Fe %	1.000 max.	Mechanical Properties Tensile Strength in Mpa 793 - 2482 Yield Strength in Mpa 241 - 586 Elongation in % 1.80 min. Reduction of Area in % 35 min. Hardness in BHN - Impact in Joule -	
Titanium	Ti %	1.000 max.		
Nickel	Ni %	33.000 - 37.000		
Cobalt	Co %	Balance		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
MP35N	Gravity	India	Plate and Sheet
IS 5347-7	IS	India	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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