



Material - ASME SA-494 M-35-1

Standard Specification for Castings, Nickel and Nickel Alloy

Group - Non-Ferrous Nickel Alloys

Sub Group - ASME SA-494 M-35-1 Castings, Nickel and Nickel Alloy

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.350 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.250 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.020 max.		
Niobium	Nb %	0.500 max.		
Copper	Cu %	26.000 - 33.000		
Iron	Fe %	3.500 max.	Mechanical Properties	
Nickel	Ni %	Balance	Tensile Strength in Mpa	450 min.
-	-	-	Yield Strength in Mpa	170 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A 494 M35-1	ASTM	USA	Casting
C-NiCu30	AFNOR NF	France	Casting
NC4135	AFNOR NF	France	Casting
NU30-M	AFNOR NF	France	Casting
N04020	UNS	USA	Casting
N24135	UNS	USA	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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