

Material - ASTM A 494 M35-1

Standard Specification for Castings, Nickel and Nickel Alloy

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM A 494 M35-1 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.		
Nickel	Ni %	Balance		
-	-	-	Mechanical Properties 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 -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA-494 M-35-1	ASME	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
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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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