

Material: ASME SA-494 M-25S Class 1

Standard Specification for Castings, Nickel and Nickel Alloy

Group: Non-Ferrous Nickel Alloys

Sub Group: ASME SA-494 M-25S Class 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 %	0.250 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	3.500 - 4.500		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.020 max.		
Iron	Fe %	3.500 max.		
Copper	Cu %	27.000 - 33.000		
Nickel	Ni %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	-
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	300 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A 494 M25S	ASTM	USA	Casting
N24025	UNS	USA	Casting
SA-494 M-25S Class 2	ASME	USA	Casting
SA-494 M-25S Class 3	ASME	USA	Casting
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