

Material: ASTM A 494 M25S

Standard Specification for Castings, Nickel and Nickel Alloy

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM A 494 M25S Castings, Nickel and Nickel Alloy

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.250 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardening

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
N24025	UNS	USA	Casting
SA-494 M-25S Class 1	ASME	USA	Casting
SA-494 M-25S Class 2	ASME	USA	Casting
SA-494 M-25S Class 3	ASME	USA	Casting
-	-	-	-
-	-	-	-
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