



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

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
-	-	-	-
-	-	-	-
-	-	-	-

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

ONE STOP SOLUTION FOR METAL PARTS