



Material - ASTM A 494 CY5SnBiM

Standard Specification for Castings, Nickel and Nickel Alloy

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM A 494 CY5SnBiM 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 %	0.050 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	11.000 - 14.000		
Bismuth	Bi %	3.000 - 5.000		
Molybdenum	Mo %	2.000 - 3.500		
Tin	Sn %	3.000 - 5.000		
Iron	Fe %	2.000 max.		
Nickel	Ni %	Balance	Mechanical Properties Tensile Strength in Mpa 330 min. Yield Strength in Mpa 230 min. Elongation in % 9 min. Reduction of Area in % - Hardness in BHN 140 - 150 Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA-494 CY5SnBiM	ASME	USA	Casting
N26055	UNS	USA	Casting
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-	-	-	-
-	-	-	-
-	-	-	-
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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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