

Material: ASTM B 834 N08367

Standard Specification for Pressure Consolidated Powder Nickel Alloy Pipe Flanges, Fittings, Valves, and Parts

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 834 N08367 Pressure Consolidated Powder Nickel Alloy Pipe Flanges, Fittings, Valves, and Parts

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

Grade Belongs to the Industry: Pipe Flanges, Forged Fittings, and Valve

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Copper	Cu %	0.750 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	20.000 - 22.000		
Phosphorus	P %	0.040 max.		
Molybdenum	Mo %	6.000 - 7.000		
Nitrogen	N %	0.180 - 0.250		
Nickel	Ni %	23.500 - 25.500		
Iron	Fe %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	655 min.
-	-	-	Yield Strength in Mpa	310 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 564 N08367	ASTM	USA	Forging
B 688 N08367	ASTM	USA	Plate, Sheet and Strip
B 691 N08367	ASTM	USA	Rod, Bar and Wire
B 462 N08367	ASTM	USA	Pipe Flanges, Forged Fittings, and Valve
A 314 N08367	ASTM	USA	Bar and Forging
B 472 N08367	ASTM	USA	Billet and Bar
B 690 N08367	ASTM	USA	Pipe and Tube

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com