



## Material - ASTM B 462 N06200

**Standard Specification for Forged or Rolled Alloy Pipe Flanges, Forged Fittings, and Valves and Parts for Corrosive High-Temperature Service**

**Group - Non-Ferrous Nickel Alloys**

**Sub Group - ASTM B 462 N06200 Forged or Rolled Alloy Pipe Flanges, Forged Fittings, and Valves and Parts for Corrosive High-Temperature Service**

**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 %	0.010 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.080 max.		
Manganese	Mn %	0.500 max.		
Copper	Cu %	0.300 - 1.900		
Sulphur	S %	0.010 max.		
Chromium	Cr %	22.000 - 24.000		
Phosphorus	P %	0.025 max.		
Molybdenum	Mo %	15.000 - 17.000		
Cobalt	Co %	2.000 max.		
Iron	Fe %	3.000 max.		
Aluminium	Al %	0.500 max.	Mechanical Properties	
Nickel	Ni %	Balance	Tensile Strength in Mpa	690 min.
-	-	-	Yield Strength in Mpa	310 min.
-	-	-	Elongation in %	45 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 564 N06200	ASTM	USA	Forging
B 574 N06200	ASTM	USA	Rod
B 575 N06200	ASTM	USA	Plate, Sheet and Strip
B 619 N06200	ASTM	USA	Pipe
B 622 N06200	ASTM	USA	Pipe and Tube
B 626 N06200	ASTM	USA	Tube
B 472 N06200	ASTM	USA	Billets and Bars

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

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