

Material - ASTM B 462 N06686

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 N06686 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 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 %	0.750 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	19.000 - 23.000		
Molybdenum	Mo %	15.000 - 17.000		
Iron	Fe %	5.000 max.	Mechanical Properties 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 -	
Titanium	Ti %	0.020 - 0.250		
Tungsten	W %	3.000 - 4.400		
Nickel	Ni %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 163 N06686	ASTM	USA	Tube
B 564 N06686	ASTM	USA	Forging
B 574 N06686 Grade 1	ASTM	USA	Rod
B 575 N06686	ASTM	USA	Plate, Sheet and Strip
B 619 N06686	ASTM	USA	Pipe
B 622 N06686	ASTM	USA	Pipe and Tube
B 626 N06686	ASTM	USA	Tube

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.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.