



Material - ASME SB-622 N06455

Standard Specification for Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube

Group - Non-Ferrous Nickel Alloys

Sub Group - ASME SB-622 N06455 Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube

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

Grade Belongs to the Industry - Pipe and Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.015 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.080 max.		
Manganese	Mn %	1.000 max.		
Cobalt	Co %	2.000 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	14.000 - 18.000		
Phosphorus	P %	0.040 max.		
Molybdenum	Mo %	14.000 - 17.000		
Iron	Fe %	3.000 max.	Mechanical Properties	
Titanium	Ti %	0.700 max.	Tensile Strength in Mpa	690 min.
Nickel	Ni %	Balance	Yield Strength in Mpa	276 min.
-	-	-	Elongation in %	40 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 574 N06455	ASTM	USA	Rod
B 575 N06455	ASTM	USA	Plate, Sheet and Strip
B 619 N06455	ASTM	USA	Pipe
B 626 N06455	ASTM	USA	Tube
SB-575 N06455	ASME	USA	Plate, Sheet and Strip
SB-619 N06455	ASME	USA	Pipe
SB-619 N06455	ASME	USA	Pipe

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.