

Material: ASTM B 163 N06025

Standard Specification for Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes

Group: Non-Ferrous Nickel Alloys

Sub Group: ASTM B 163 N06025 Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes

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

Grade Belongs to the Industry: Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 - 0.250	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	0.150 max.		
Copper	Cu %	0.100 max.		
Sulphur	S %	0.010 max.		
Chromium	Cr %	24.000 - 26.000		
Aluminium	Al %	1.800 - 2.400		
Titanium	Ti %	0.100 - 0.2000		
Phosphorus	P %	0.020 max.		
Iron	Fe %	8.000 - 11.000		
			Mechanical Properties	
Zirconium	Zr %	0.010 - 0.100	Tensile Strength in Mpa	680 min.
Yttrium	Y %	0.050 - 0.120	Yield Strength in Mpa	270 min.
Nickel	Ni %	Balance	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 166 N06025	ASTM	USA	Rod, Bar and Wire
B 167 N06025	ASTM	USA	Pipe and Tube
B 168 N06025	ASTM	USA	Plate, Sheet and Strip
B 564 N06025	ASTM	USA	Forging
B 516 N06025	ASTM	USA	Tube
B 517 N06025	ASTM	USA	Pipe
B 462 N06025	ASTM	USA	Pipe and Valve

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