

Material - ASTM B 166 N06025

Standard Specification for Nickel-Chromium-Iron Alloys and Nickel-Chromium-Cobalt-Molybdenum Alloy Rod, Bar and Wire

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 166 N06025 Nickel-Chromium-Iron Alloys and Nickel-Chromium-Cobalt-Molybdenum Alloy Rod, Bar and Wire

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

Grade Belongs to the Industry - Rod, Bar and Wire

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		
Iron	Fe %	8.000 - 11.000	Mechanical Properties	
Titanium	Ti %	0.100 - 0.200		
Phosphorus	P %	0.020 max.		
Zirconium	Zr %	0.010 - 0.100		
Yttrium	Y %	0.050 - 0.120		
Nickel	Ni %	Balance		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	680 min.
			Yield Strength in Mpa	270 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 163 N06025	ASTM	USA	Tube
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

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

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