

Material: SAE Nimonic 105

Standard Specification for Seamless Nickel and Nickel Alloy Pipe, Tube, Sheet, Strip, Plate, Round Bar, Flat Bar, Forging Stock, Hexagon and Wire

Group: Non-Ferrous Nickel Alloys

Sub Group: SAE Nimonic 105 Seamless Nickel and Nickel Alloy Pipe, Tube, Sheet, Strip, Plate, Round Bar, Flat Bar, Forging Stock, Hexagon and Wire

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

Grade Belongs to the Industry: Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire

Chemical Composition			Heat Treatment	
Carbon	C %	0.130 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.250 max.		
Manganese	Mn %	0.100 max.		
Chromium	Cr %	19.000 max.		
Titanium	Ti %	1.200 max.		
Molybdenum	Mo %	5.000 max.		
Cobalt	Co %	20.000 max.		
Copper	Cu %	0.250 max.		
Aluminium	Al %	4.500 max.		
Iron	Fe %	0.400 max.		
Nickel	Ni %	Balance	Mechanical Properties Tensile Strength in Mpa 986 min. Yield Strength in Mpa 800 min. Elongation in % 7.000 min. Reduction of Area in % 7.000 min. Hardness in BHN - Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Nimonic Alloy 105	Gravity	India	Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire
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