

Material - Gravity Incoloy Alloy 020

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 - Gravity Incoloy Alloy 020 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 %	0.070 max.		
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.	As-Cast or Annealing or Age Hardning	
Chromium	Cr %	19.000 - 21.000		
Sulphur	S %	0.035 max.		
Molybdenum	Mo %	2.000 - 3.000		
Copper	Cu %	3.000 - 4.000		
Nb + Ta	Nb% + Ta%	1.000 max.		
Phosphorus	P %	0.045 max.	Mechanical Properties	
Nickel	Ni %	32.000 - 38.000	Tensile Strength in Mpa	620 - 1029
Iron	Fe %	Balance	Yield Strength in Mpa	300 - 965
-	-	-	Elongation in %	4 - 40
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRC	23 - 83
-	-		Impac <mark>t in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country	ntry Grade Belong to the Industry	
A 312 Alloy 20	ASTM	USA	Pipe	
A 312 N08020	ASTM	USA	Pipe	
A213 Alloy 20	ASTM	USA	Tube	
AS-312 Alloy 20	ASME	USA	Pipe	
SA 213 Alloy 20	ASME	USA	Tube	
SA-312 Alloy 20	ASME	USA	Pipe	
NCF020	JIS	Japan	Plate, Sheet and Strip	

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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