

Material - JIS NCF020

Standard Specification for Corrosion-resisting and Heat-resisting Superalloy, Nickel and Nickel alloy Plate, sheet and strip

Group - Non-Ferrous Nickel Alloys

Sub Group - JIS NCF020 Corrosion-resisting and Heat-resisting Superalloy, Nickel and Nickel Alloy Plate, sheet and strip

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries Grade Belongs to the Industry - Plate, sheet and strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.070 max.		
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Chromium	Cr %	19.000 - 21.000	As-Cast or Annealing or Age Hardning	
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	550 min.
Iron	Fe %	Balance	Yield Strength in Mpa	240 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	217 max.
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table					
Material	Standard	Country	Grade Belong to the Industry		
Incoloy Alloy 020	Gravity	India	Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire		
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		

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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