

Material: UNS N04020

Standard Specification for Castings, Nickel and Nickel Alloy

Group: Non-Ferrous Nickel Alloys

Sub Group: UNS N04020 Castings, Nickel and Nickel Alloy

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.350 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	2.000 max.		
Manganese	Mn %	1.500 max.		
Aluminium	Al %	0.500 max.		
Copper	Cu %	26.000 - 33.000		
Iron	Fe %	2.500 max.		
Nickel	Ni %	Balance		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa 450 min. Yield Strength in Mpa 170 min. Elongation in % 25 min. Reduction of Area in % - Hardness in BHN 110 - 150 Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A 494 M35-1	ASTM	USA	Casting
SA-494 M-35-1	ASME	USA	Casting
C-NiCu30	AFNOR NF	France	Casting
NC4135	AFNOR NF	France	Casting
NU30-M	AFNOR NF	France	Casting
N24135	UNS	USA	Casting
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Customer Care: +91-99090 45075 Email: info@icastllp.com