



Material - UNS N06040

Standard Specification for Castings, Nickel and Nickel Alloy

Group - Non-Ferrous Nickel Alloys

Sub Group - UNS N06040 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 %	0.400 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	3.000 max.		
Manganese	Mn %	1.500 max.		
Chromium	Cr %	14.000 - 17.000		
Iron	Fe %	11.000 max.		
Nickel	Ni %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
Mechanical Properties				
Tensile Strength in Mpa			485 min.	
Yield Strength in Mpa			195 min.	
Elongation in %			10 min.	
Reduction of Area in %			-	
Hardness in BHN			-	
Impact in Joule			-	

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A 494 CY40	ASTM	USA	Casting
SA-494 CY40 Class 1	ASME	USA	Casting
SA-494 CY40 Class 2	ASME	USA	Casting
C-NiCr15Fe	AFNOR NF	France	Casting
NC16Fe11-M	AFNOR NF	France	Casting
NC6040	AFNOR NF	France	Casting
NiCrFC	JIS	Japan	Casting

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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