

Material: UNS N06690

Standard Specification for Nickel and Nickel-Related Alloys

Group: Non-Ferrous Nickel Alloys

Sub Group: UNS N06690 Nickel and Nickel-Related Alloys

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

Grade Belongs to the Industry: Sheet

Chemical Composition			Heat Treatment	
Carbon	C %	0.005 max.	As-Cast or Annealing or Age Hardning	
Chromium	Cr %	27.000-31.000		
Iron	Fe %	7.000-11.000		
Copper	Cu %	0.500 max.		
Manganese	Mn %	0.500 max.		
Sulphur	S %	0.015 max.		
Silicon	Si %	0.50 max.		
Nickel	Ni %	58.000 min.		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	586-793
-	-	-	Yield Strength in Mpa	241 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRC	92 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Inconel 690	Gravity	India	Sheet
Nicrofer 6030	Gravity	India	Sheet
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-	-	-	-
-	-	-	-
-	-	-	-
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