

Material: GOST NiCr28FeSiCe

Standard Specification for Nickel and Nickel Alloy Casting

Group: Non-Ferrous Nickel Alloys

Sub Group: GOST NiCr28FeSiCe Nickel and Nickel Alloys Casting

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.050 - 0.120
Silicon	Si %	2.500 - 3.000
Manganese	Mn %	1.000 max.
Chromium	Cr %	26.000 - 29.000
Cobalt	Co %	1.500 max.
Iron	Fe %	21.000 - 25.000
Cerium	Ce %	0.030 - 0.090
Copper	Cu %	0.300 max.
Phosphorus	P %	0.020 max.
Nickel	Ni %	45.000 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Annealing or Age Hardning

Mechanical Properties	
Tensile Strength in Mpa	620 - 820
Yield Strength in Mpa	240 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HB	220 max.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
2.4889	DIN	Germany	Strip and Sheet
2.4889	GOST	Russia	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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