

Material: DIN 1.4849

Standard Specification for Heat Resisting Steel Castings

Group: Ferrous Stainless Steel Alloys

Sub Group: DIN 1.4849 Heat Resisting Steel Castings

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Carbon	C %	0.300 - 0.500
Silicon	Si %	1.000 - 2.500
Manganese	Mn %	1.500 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	17.000 - 19.000
Nickel	Ni %	36.000 - 39.000
Niobium	Nb %	1.200 - 1.800
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Soft Annealing, Cast	
Mechanical Properties	
Tensile Strength in Mpa	400 - 600
Yield Strength in Mpa	220 min.
Elongation in %	4 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4859	DIN	Germany	Casting
G X 40 NiCrSiNb 38-18	DIN	Germany	Casting
G X 10 NiCrNb 32-20	DIN	Germany	Casting
N08151	UNS	USA	Casting
N08004	UNS	USA	Casting
SA-351 CT15C	ASME	USA	Casting
A351 CT15C	ASTM	USA	Casting

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India