

Material: MSZ 40 CrNiSi 25-20

Standard Specification for Heat-Resisting Steel Castings

Group: Ferrous Stainless Steel Alloys

Sub Group: MSZ 40 CrNiSi 25-20 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 %	0.200 - 0.500
Silicon	Si %	1.000 - 2.500
Manganese	Mn %	0.500 - 1.500
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	24.000 - 26.000
Nickel	Ni %	19.000 - 21.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	425 min.
Yield Strength in Mpa	240 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
SA-351 Grade HK 40	ASME	USA	Casting
310 C 45	BS	British	Casting
A-608 Grade HK 40	ASME	USA	Casting
1.4848	DIN	Germany	Casting
SCH 22	JIS	Japan	Casting
A-567 Grade HK 40	ASTM	USA	Casting
A351 HT30	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