

Material: MSZ Ao 10 Ni 14

Standard Specification for Cryogenic castings

Group: Ferrous Mild Steel Alloys

Sub Group: MSZ Ao 10 Ni 14 Cryogenic Castings

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.120 max.	Normalizing or Annealing or Hardening + Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	0.500 - 0.800		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.025 max.		
Nickel	Ni %	3.000 - 3.800		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 480 min. Yield Strength in Mpa 275 min. Elongation in % 21 min. Reduction of Area in % 35 min. Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
BL2	BS	British	Casting
GS-10 Ni 14	DIN	Germany	Casting
G 9 Ni 14	EN	European Union	Casting
SCPL 31	JIS	Japan	Casting
G9Ni14	UNI	Italy	Steel
J31550	UNS	USA	Casting
A757 B2N B2Q	ASTM	USA	Casting

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