

Material: SAE AMS 4490K AZ91D

Standard Specification for Magnesium Alloy Castings

Group: Non-Ferrous Magnesium Alloy

Sub Group: SAE AMS 4490K Magnesium Alloy Castings

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	8.300 - 9.700	As-Cast	
Zinc	Zn %	0.350 - 1.000		
Manganese	Mn %	0.150 - 0.500		
Silicon	Si %	0.100 max.		
Iron	Fe %	0.005 max.		
Copper	Cu %	0.030 max.		
Nickel	Ni %	0.002 max.		
Other	Ot%	0.030 max.		
Magnesium	Mg %	Balance	Mechanical Properties Tensile Strength in Mpa 230 min. Yield Strength in Mpa 160 min. Elongation in % 3 min. Reduction of Area in % - Hardness in HB 75 min. Impact in Joule 2.2 min. @RT	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AZ91D	ANSI/AA	USA	Casting
M11916	UNS	USA	Casting
B94 AZ91D	ASTM	USA	Casting
B275 AZ91D	ASTM	USA	Casting
B951 AZ91D	ASTM	USA	Casting
B951 M11916	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