

Material: ANSI/AA AE42

Specification Standards for Die Castings

Group: Non-Ferrous Magnesium Alloy

Sub Group: ANSI/AA for Die Castings

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	3.400 - 4.600	As-Cast	
Zinc	Zn %	0.220 max.		
Manganese	Mn %	0.250 max.		
Iron	Fe %	0.005 max.		
Copper	Cu %	0.050 max.		
Nickel	Ni %	0.008 max.		
Other	Ot%	0.020 max.		
Magnesium	Mg %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	185 min.
-	-	-	Yield Strength in Mpa	140 min.
-	-	-	Elongation in %	8 - 10
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	57 min.
-	-	-	Impact in Joule	5.8 min. @RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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