

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	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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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