

Material: ANSI/AA AZ81

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 %	7.000 - 8.500	As-Cast	
Zinc	Zn %	0.300 - 1.000		
Manganese	Mn %	0.170 min.		
Silicon	Si %	0.050 max.		
Iron	Fe %	0.004 max.		
Copper	Cu %	0.015 max.		
Nickel	Ni %	0.001 max.		
Other	Ot%	0.010 max.		
Magnesium	Mg %	Balance		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-	Tensile Strength in Mpa 220 min.	
-	-	-	Yield Strength in Mpa 150 min.	
-	-	-	Elongation in % 3 min.	
-	-	-	Reduction of Area in % -	
-	-	-	Hardness in BHN 72 min.	
-	-	-	Impact in Joule -	

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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