

Material: ASTM B240 AG40A

Specification Standards for Zinc and Zinc-Aluminum (ZA) Alloys in Ingot Form for Foundry and Die Castings

Group: Non-Ferrous Zinc Alloy

Sub Group: ASTM B240 Zinc and Zinc-Aluminum (ZA) Alloys in Ingot Form for Foundry and Die Castings

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

Grade Belongs to the Industry: Casting

Chemical Composition		
Aluminium	Al %	3.900 - 4.300
Cadmium	Cd %	0.003 max.
Copper	Cu %	0.100 max.
Iron	Fe %	0.035 max.
Magnesium	Mg %	0.030 - 0.060
Lead	Pb %	0.004 max.
Tin	Sn %	0.00015 max.
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	As-Cast or Aging

Mechanical Properties	
Tensile Strength in Mpa	285 min.
Yield Strength in Mpa	-
Elongation in %	10 min.
Reduction of Area in %	-
Hardness in HB	82 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Zamak 2	ANSI/AA	USA	Casting
ZDC 2	JIS	Japan	Casting
ZDC 2	KS	Korea	Casting
B240 Zamak 3	ASTM	USA	Casting
GD-ZnAl4	DIN	Germany	Casting
ZL3	ISO	International	Casting
903	SAE	USA	Ingot and Casting

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