

Material: ASTM B240 Zamak 5

Standard Specification 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: Ingot and Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	3.900 - 4.300	As-Cast or Aging	
Cadmium	Cd %	0.003 max.		
Copper	Cu %	0.700 - 1.100		
Iron	Fe %	0.035 max.		
Magnesium	Mg %	0.030 - 0.060		
Lead	Pb %	0.004 max.		
Tin	Sn %	0.0015 max.		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	328 min.
-	-	-	Yield Strength in Mpa	228 min.
-	-	-	Elongation in %	7 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	91 min.
-	-	-	Impact in Joule	65 min. @RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Zamak 5	ANSI/AA	USA	Casting
ZP5	ISO	International	Casting
Z33531	UNS	USA	Ingot and Casting
B86 Alloy 5	ASTM	USA	Casting
B86 Zamak 5	ASTM	USA	Casting
B86 AC41A	ASTM	USA	Casting
B240 AC41A	ASTM	USA	Ingot and Casting

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