



Material - ANSI/AA Zamak 5

Specification Standards for Die Castings

Group - Non-Ferrous Zinc 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 %	3.700 - 4.300	As-Cast or Aging	
Magnesium	Mg %	0.020 - 0.060		
Copper	Cu %	0.700 - 1.200		
Iron	Fe %	0.050 max.		
Lead	Pb %	0.005 max.		
Cadmium	Cd %	0.004 max.		
Tin	Sn %	0.002 max.		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	328 min.
-	-	-	Yield Strength in Mpa	269 min
-	-	-	Elongation in %	7 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	91 min.
-	-	-	Impact in Joule	65 min.

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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
B240 Zamak 5	ASTM	USA	Ingot and Casting

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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