

Material: ASTM B86 Alloy 5

Standard Specification for Zinc and Zinc-Aluminum (ZA) Alloy Foundry and Die Castings

Group: Non-Ferrous Zinc Alloy

Sub Group: ASTM B86 Zinc and Zinc-Aluminum (ZA) Alloy Foundry and 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	
Cadmium	Cd %	0.004 max.		
Chromium	Cr %	0.020 max.		
Copper	Cu %	0.700 - 1.200		
Iron	Fe %	0.050 max.		
Magnesium	Mg %	0.020 - 0.060		
Manganese	Mn %	0.060 max.		
Nickel	Ni %	0.020 max.		
Lead	Pb %	0.005 max.		
Silicon	Si %	0.035 max.		
Tin	Sn %	0.002 max.	Mechanical Properties	
Titanium	Ti %	0.001 max.	Tensile Strength in Mpa	328 min.
Zinc	Zn %	Balance	Yield Strength in Mpa	228 min.
-	-	-	Elongation in %	7 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	91 min.
-	-	-	Impact in Joule	-

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 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

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com